Broadband Customer Reporting – XML Release 2

Issue 16.15

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Document History

Issue	Date	Reason	Effective Date	Component Impacted	XML Change OR Data Change
1	Jul 2003	XML guide split from Individual User Guide			
2	Oct 2003	To support Release 1 of Broadband Customer Reporting			
3	Apr 2004	Added sections for 'MSO By Reference' XML report			
4	June 2004	To support Release 2 of Broadband Customer Reporting			
5	July 2004	To support Combined Movers and Simultaneous PSTN & ADSL orders			
6	July 2004	To support new cancelled and rejected reason			
7	Sept 2004	To support new cancelled reason			
8	Feb 2005	VC Migrations			
9	Mar 2005	Generic Modify and BSR			
10	May 2005	Phased Release of Generic Modify XML			
11	June 2005	Phased Release of Lost Migration Report XML			
12	DEC 2005	MAX Products			
13	FEB 2006	Phased Release of Fault Delta XML for Advanced Services Deployment			
13.1	MAR 2006	Interleaving flag added to the DTD's Example URL's for Line rate Change Delta XML Line Rate Synchronisation XML Service profile XML			
13.2	Apr 2006	Mac key field Lost migration v3 url & DTD Pew url for uplift launch &DTD Order Delta GM Dates V2 url &DTD			
13.3	May 2006	URL and DTD for Max End User Summary XML			
14	May 2006	Advanced Service XML reports .Planned release date 31 05 06			
14.1	June 2006	Advanced Service XML reports .Planned release date 31 05 06			
14.2	October 2006	1. Addition of six new fields to Order Delta GM Dates XML V3 report. 2. New url and DTD to allow parallel running for Order Delta GM dates xml V3			

Issue	Date	Reason	Effective Date	Component Impacted	XML Change OR Data Change
14.3	November 2006	Addition of DSL Max Auto Capped Circuit XML Additional Values for Order Type & Customer Ref. (for Transfer Engineering Migrations. No report changes.			
14.4	December 2006	Amend auto capped cct url to remove OM error. V4 of the lost migration report to add two new fields, cease type and provide type see page 19 and 101.			
14.5	January 2007	New data item 'ASE' in the 'Change Type' field as part of Advanced Services functionality. New 'Order Delta GM Dates XML V4' is deployed to support this functionality.			
14.6	February 2007	1. Name of DSL Max Auto Capped Circuit XML is changed to DSL Max Capped Circuit XML. 2. Addition of three new fields (Sync Rate, Sync Timestamp, BRAS Profile Name) in Line Rate Change Delta XML and Max End User Summary XML. 3. Field Name "Downstream Line Rate" is renamed to "Headline Rate-Downstream Line Rate" in Line Rate Change Delta XML, Max End User Summary XML and DSL Max Capped Circuit XML 4. Functional Modifications to DSL Max Capped Circuit XML. **NB: Please note the following changes will be effective from 31/05/2007 only.**	31/05/07	DSL Max	XML Change
14.6 (version 2)	March 2007	Additional 8 new data items in 'Fault Clear' field in the Faults reports.	31/03/07	Faults	Data Change
14.7	March 2007	1. Addition of the following columns in Order Delta GM Dates XML V4 • Network Type • Old Network ID • Planned Capacity Resolution Date 2. Addition of the following column in Fault Delta Dates XML V2 • Network Type	23/06/07	Orders Faults	XML Change
14.7	March 2007	1. Additon of 'Exchange Name' column in 'Session Request per SP	28/04/07	Advanced	XML Change

Issue	Date	Reason	Effective Date	Component Impacted	XML Change OR Data Change
(version 2)		XML' report. 2. Addition of 2 new data items for Delay Reason for Orders Delta XML reports.		Services & Orders	for Advanced services, Data Change for Orders
14.8	May 2007	New xml – **Circuit Move Detail XML** to provide the circuit move information for Advanced Services High Usage.	23/06/07	Advanced Services	New XML
14.9	June 2007	Increase in field length for Bandwidth Per SP XML	13/07/07	Advanced Services	Data Change
15.0	Oct 2007	Addition of 3 new data items in 'Cancelled Reason' field in the Order reports	08/10/07	Orders	Data Change
15.1	Oct 2007	1. New xml – AS ENABLED EXTERNAL to provide the information about all circuits having Throttled, Unthrottled or unknown policies for a particular SP. 2. New xml – INVENTORY DETAIL XML to provide the individual circuit details for throttled or unthrottled or unknown policies of the Advanced Services End users under a particular SP. 3. Addition of 1new data item in Service ID field 4. Increase in field length of Service Provider ID / Customer ID 5. Addition of new data items in Policy Requested field 6. Increase in the field length of Policy Applied and Policy Removed fields 7. Addition of 1 new data item in Exception Code field	25/11/2007	Advanced Services	New XML And Data Change for Advanced Services
15.2	Dec 2007	1. Addition of a new data item in 'Cease Type' field. 2. Addition of a new data item in 'Customer Reference' field.	25/01/2008	Orders	Data Change
15.3	Dec 2007	1. Addition of a new field (Service Option) in two existing XML's to display the Service Option selected by the End User for a particular Service. The XML's are: 'Service Profile XML' and 'Max End User Summary XML' 2. A new XML – "DSL Max Service Option XML" is created to	31/03/2008	DSL Max	XML Change & New XML

Issue	Date	Reason	Effective Date	Component Impacted	XML Change OR Data Change
		display the Service Option, its date of change and its status for the selected Service.			
15.4	Jan 2008	1. Network ID to be Masked in all the DSL Max & Advanced Services XML's for WBC/21 CN Circuits. 2. Implementation of CUG ID in all the DSL Max, Advanced Services & WBC XML's 1. Following DSL Max XML's are modified to add some new fields: a) Line Rate Change Delta XML b) Service Profile XML c) Line Rate Synchronisation XML d) Max End User Summary XML e) DSL Max Service Option XML A new DSL Max XML called "21 CN Service Profile XML" is created which will display attributes for 21 CN Profiles. 4. Based on the BBCR XML separate WBC product information XML is created named 'Order Delta GM Dates XML V4'. The WBC product information also contains a additional XML named 'Fault Delta Dates XML V2'.	26/04/2008	DSL Max, Advanced Services & WBC	XML Change, Data Change & New XML
15.5	Feb 2008	1. Addition of a new data item in the "Cancelled Reason" field. 2. Modification of an existing data item in the "Cancelled Reason" field.	28/02/2008	Orders	Data Change
15.5a	March 2008	1. Addition of new data items in the 'Delay Reason' field. 2. Addition of a new data item in the 'Line Item Sub Status' field.	08/04/2008	Orders	Data Change
15.5b	March 2008	1. Addition of a new data item in the "Delay Reason" field.	15/04/2008	Orders	Data Change
15.5c	April 2008	Addition of new data items in the "Order Type" field.	26/04/2008	Orders	Data Change
15.6	Feb 2008	Addition of a new attribute "Name the Day" in the following XML: **Order Delta GM Dates XML V4**.	25/05/2008	Orders	XML Change

Issue	Date	Reason	Effective Date	Component Impacted	XML Change OR Data Change
15.7	May 2008	1. Addition of a new attribute "Name the Day" in the following XML: **Order Delta GM Dates XML V4**. 2. Addition of a new data item in the "Delay Reason" field.	01/06/2008	Orders	XML Change
15.7a	June 2008	1) The XML's under '21 CN Product Reports' folder are moved to 'Release 2' keeping the same folder structure. 2) Following new XML's are created: a) Order Delta GM Dates XML V5 b) Migration Summary Report c) Product Family Migration XML	12/07/2008	WBC	New XML
15.7b	June 2008	Addition of a new data item in the "Fault Reason" field.	14/07/2008	Faults	Data Change
15.7c	July 2008	Addition of two new data items in the "Cancelled Reason" field.	14/08/2008	Orders	Data Change
15.8c	May 2008	Following functional modifications are done to the "**Inventory Detail XML"**: 1. Addition of two new attributes. 2. An existing attribute is renamed.	24/08/2008	Advanced Services	XML Change
15.8d	June 2008	1) Change in datavalue in **AS Enabled External XML**.	24/08/2008	Advanced Services	Data Change
15.9a	June 2008	1. Addition of the following new fields in the 'Product Family Migration XML': a) Migration Type b) Expedited Allowed c) Expedited Chargeable 2. Addition of a new field "Original Service ID" in the following XML: 'Order Delta GM Dates XML V4'. 3. Modification of an existing data item in the "Upstream" field.	01/09/2008	WBC	XML Change

Issue	Date	Reason	Effective Date	Component Impacted	XML Change OR Data Change
15.9d	July 2008	The updates made for issue 15.9a as stated in point1 has been aborted.	01/09/2008	WBC	XML Change
15.9e	July 2008	Addition of new data items in the “Cancelled Reason” field and “Delay Reason” field.	06/09/2008	WBC	Data Change
16.0d	June 2008	1. Addition of two new attributes “Supplier Notes” and “E2E Line Test Result” in the following XML : Order Delta GM Dates XML V4. 2. Addition of timestamp part in “StartDate” and “Finish Date” fields of the PEW XML.	28/09/2008	Orders	XML Change
16.0e	June 2008	1.Addition of the attribute ”E2E Line Test Result” has been aborted in the following XML: **Order Delta GM Dates XML V4** 2. Addition of new data items in the “Delay Reason” field.	28/09/2008	Orders	XML Change
16.1c	July 2008	Weblogic server cookie name updated from jsessionid to JSESSIONID_BBCR	19/10/2008	BBCR, WBC	XML Change
16.2a	July 2008	2) Addition of the following new attribute in ‘Product Family Migration XML’: 1. Migration Type 3) Implementation of CUG ID in all the ‘Service Activity Notices’ Reports. 4) Network ID and DN to be masked in all the ‘Service Activity Notices’ Reports for WBC/21 CN Circuits.	03/11/2008	WBC, Service Activity Notices	XML Change
16.3	September 2008	1) Addition of the following new attributes in “Product Family Migration XML”: a) Expedited Allowed b) Expedited Chargeable	15/12/2008	WBC, Orders, Service Activity Notices	XML Change

Issue	Date	Reason	Effective Date	Component Impacted	XML Change OR Data Change
		2) Addition of a new attribute “Supplier Notes” in “Order Delta GM Dates XML V5”. 3) Aligning the XML User Guide with the existing “Service Activity Notice XML”.			
16.3a	October 2008	1) Addition of timestamp in the attribute “Contractual Delivery Date” in below mentioned XMLs: a) Order Delta GM Dates XML V4 b) Order Delta GM Dates XML V5	15/12/2008	Orders	Data Change
16.4a	October 2008	1) Deletion of the following attributes from “Product Family Migration XML”: a) Expedited Allowed b) Expedited Chargeable	02/02/2009	WBC	XML Change
16.4b	December 2008	1) Addition of new data item in the ‘Downstream’ field.	02/02/2009	WBC	Data Change
16.5a	November 2008	1. Modifications in all the XML URL’s from www.btwholesale.com:8443 to www.wcr.bt.com 2. Weblogic server cookie name updated from jsessionid to JSESSIONID_BBCR 3. Modification of PEW XML to support MSAN WBC/21 CN information. 4. Modification of Migration Summary Report to display different tags for 21 CN and 20 CN information.	22/02/2009	WBC, Advanced Services, BBCR, Service Activity Notices, DSLMAX	XML Change
16.5b	February 2009	1. System Name and the Volume Name of the BBCR Portal will be modified as below.	21/03/2009	WBC, Advanced	Portal View Change

Issue	Date	Reason	Effective Date	Component Impacted	XML Change OR Data Change
		• **System Name** will be modified to "Wholesale Customer Reports" • **Volume Name** will be modified to "Wholesale" 2. "Broadband Customer Reports" folder will be renamed to "Wholesale Customer Reports".		Services, BBCR, Service Activity Notices, DSLMAX	
16.5c	March 2009	Addition of new data items in the "Fault Reason" field.	24/03/2009	BBCR	Data Change
16.6b	January 2009	Modification of PEW XML to include date parameters.	24/04/2009	Service Activity Notices	XML Change
16.6c	April 2009	Modification of Order Delta GM Dates XML V5 to include a new value in Change Type field.	09/05/2009	Orders XML	Data Change
16.6d	May 2009	Addition of a new data item in the "Fault Clear" field: 1. K1 – Knowledge Based Diagnostics Rejection	09/05/2009	BBCR	Data Change

Issue	Date	Reason	Effective Date	Component Impacted	XML Change OR Data Change
16.7b	March 2009	1. Addition of following attributes in “Order Delta GM Dates XML V5”. **For both 20 CN/21 CN Circuits:** • Order Line Number **For WBC/21 CN Circuits Only:** • ModifiedFTRCalc • First Appointment Date • Agreed Appointment Date • Appointment Status • Appointment Reason 2. Addition of following attributes in “Migration Summary Report” and “Product Family Migration XML”. **For WBC/21 CN Circuits Only:** • ModifiedFTRCalc 3. Addition of following attributes in “Fault Delta Dates XML V2”. **For WBC/21 CN Circuits Only:** • First Appointment Date • Agreed Appointment Date • Appointment Status • Appointment Reason	27/06/2009	WBC, BBCR	XML Change
16.7c	May 2009	1. For **SIMULTANEOUS** and **MOVERS** Orders DN might change during order progression, changed DN would be reflected in the following field. • Telephone Number/DN 2. New values to be displayed in the Fault Status field in “Fault Delta Dates XML V2”.	27/06/2009	WBC, BBCR	Data Change

Issue	Date	Reason	Effective Date	Component Impacted	XML Change OR Data Change
16.8	July 2009	1. Addition of new data item in the “Interleaving” field. 2. Length of “eCo Order Number/Order ID” attribute is increased to 16 characters.	16/08/2009	WBC	Data Change
16.8a	August 2009	1. All DLM attributes will display “Not Valid for FTTC” in DSLMAX Reports. 2. Inclusion of new data values in Fault Reason Code.	04/10/2009	DSLMAX, BBCR	Data Change
16.9a	July 2009	Addition of new attribute “Park Time” in “Fault Delta Dates XML V2”.	25/10/2009	WBC, BBCR	XML Change
16.10a	August 2009	1. Inclusion of following new data item in “Order Delta GM Dates XML V5”. a) Cease Reason 2. Old Service ID for Migration orders with change of CP will not be available in “Product Family Migration XML”.	22/11/2009	WBC	XML Change
16.11	October 2009	1. Data Type of “Park Time” in “Fault Delta Dates XML V2” has been changed to format hh:mm:ss. 2. Change in size of column “BRAS Profile Name” in the following reports: • Line Rate Change Delta XML • Max End User Summary XML	10/01/2010	WBC, BBCR, DSLMAX	Data Change
16.11a	December 2009	1. New Description of Park Time field has been added.	10/01/2010	WBC, BBCR	Data Change

Issue	Date	Reason	Effective Date	Component Impacted	XML Change OR Data Change
16.12a	November 2009	1. Addition of two new attributes “ONT Port ID” and “ONT Serial Number” in the following XML reports for WBC/21 CN Circuits Only: • Order Delta GM Dates XML V5 • Fault Delta Dates XML V2 • Migration Summary Report • Product Family Migration XML 2. Addition of two new attributes “Upstream Maximum Stable Rate” and “Upstream Fault Threshold Rate” and change in the name of the existing attributes – “Maximum Stable Rate” to “Downstream Maximum Stable Rate” and “Fault Threshold Rate” to “Downstream Fault Threshold Rate” in the following reports: • Line Rate Synchronisation Report • Max End User Summary Report • DSL Max Service Option Report 3. The below merntioned Line has been removed from the XML User Guide from page no.15 (Applying for access) as the helpdesk do not have any scripts or DTDs or FAQs to pass across to the customer : “Once your account is ready, the helpdesk will email you a zipped starter pack. This pack will contain the PERL template script, DTDs and FAQs “ 4.“Provide Type” field description has been modified in Page No:206.	27/02/2010	WBC, BBCR	XML Change

Issue	Date	Reason	Effective Date	Component Impacted	XML Change OR Data Change
16.12b	December 2009	1. New URL for accessing Order Delta Reports using multiple user-id's. 2. PEW XML with date parameter is applicable only for 20CN.	22/01/2010	BBCR, wBC	XML Change
16.12c	January 2010	1. Calculation Logic of "Total OST" has been changed as following: It will be the difference in the Fault Reported and Fault Closed and will be in the HH:MM:SS(Hours:Mins:Seconds) format and will be populated only when the Fault is closed or Fault Closed Date is populated. For Open faults Total OST will be Null.	27/02/2009	BBCR, wBC	Data Change
16.13a	January 2010	*1. Appointment Status field will be blank when Appointment Reason has value 'StandardProvision' for FTTC/FTTP services.*	*17/04/2010*	*WBC*	*Data Change*
16.13b	March 2010	*The following description is added in 'Service Activity Notice XML': "It can take up to 48 hours after the initial PEW notification for the affected circuit information to appear on BBCR."*	*17/04/2010*		
16.14	April 2010	1.Two New attributes will be displayed in Migration Summary Report.The Attributes name are: 1. AVC Flag 2. AVC Quantity 3. 'Retailer ID' will be displayed in the following BBCR XML Reports 1. Order Delta GM Dates XML V5 2. Migration Summary Report 3. Product Family Migration XML	25/07/2010	WBC	XML Change
16.15	*June 2010*	*Access Technology will be displayed in the following BBCR reports:* *1. Line rate Change Delta Report* *2. Fault Delta Dates XML V2*	*12/09/2010*	*WBC*	*XML Change*

Introduction

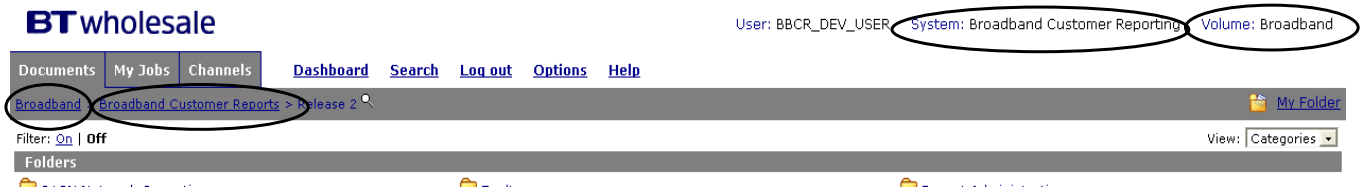
This document is designed to support Service Providers (SP) who wishes to automate the feed of Order, Fault, MSO and SAN data using Actuate – Broadband Customer Reporting.

The version of this User Guide is maintained in the order of effective dates for the Releases.

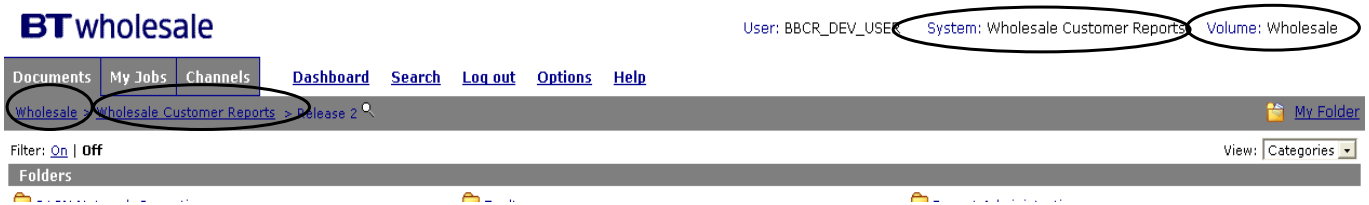
BBCRPortal

System Name and Volume Name of the BBCR Portal will be modified as mentioned below:

Previous View:



Modified View:



Applying For Access

- Please complete the form attached at the end of this document and return to your Account Manager. The Helpdesk will return user names and passwords under separate cover.
- For XML access one account will be created per SP. This single account can be given the appropriate privileges to access Order, Fault, MSO or Service Activity XML reports
- Each SP will require a unique User ID and Password for XML access.
- Setting up of the accesses will not normally take more than three days.

Benefits

- Reports available for download as and when they are required or wanted.
- Information contained within reports is 15 minutes behind for faults and 1-3 hours for orders.
- Able to check whether end users that are reporting faults could be affected by a Service Activity.
- Able to check whether other end users are affected by that same Service Activity.
- The reports for Orders and Faults are Delta reports and therefore will only return to you those Orders or Faults that have had a change in a trigger column in the timescale specified.
- Able to check which of your circuits are currently impacted by a current Major Service Outage (MSO)

Reporting Problems

If you have any difficulty running the application then the problem should be reported to the eCo helpdesk on 0800 783 5639 and select option 1.

If you have any query regarding the data contained in the downloaded reports, then this should be reported in the first instance to your owning Service Team at the Service Centre.

Change Management

Any development that impacts on the reports that can be downloaded via XML Actuate causing any changes in content or format will be detailed and communicated to Service Providers with expected dates of the change.

In some cases dates and changes may be dictated by the need to change due to the inclusion of new products or services.

An outline of latest changes will be included in the changes section.

Latest Changes

June 2010 – 16.15Changes

Please note that the following changes would be effective from 12/09/2010 only

Access Technology will be displayed in the following BBCR reports:

- *Line rate Change Delta Report*
- *Fault Delta Dates XML V2*

Previous Changes

April 2010 – 16.14Changes

Please note that the following changes would be effective from 25/07/2010 only

1.Two New attributes will be displayed in Migration Summary Report.The Attributes name are:

- AVC Flag
- AVC Quantity

2. ’Retailer ID’ will be displayed in the following BBCR XML Reports

- Order Delta GM Dates XML V5
- Migration Summary Report
- Product Family Migration XML

March 2010 – 16.13b Changes

Please note that the following changes would be effective from 17/04/2010 only.

The following description is added in ‘Service Activity Notice XML’:
“It can take up to 48 hours after the initial PEW notification for the affected circuit information to appear on BBCR.”

January 2010 – 16.13a Changes

Please note that the following changes would be effective from 17/04/2010 only.

1. Appointment Status field will be blank when Appointment Reason has value 'StandardProvision' for FTTC/FTTP services.

January 2009 – 16.12c Changes

Please note that the following changes would be effective from 27/02/2010 only.

1. Calculation Logic of “Total OST” has been changed as following:

It will be the difference in the Fault Reported and Fault Closed and will be in the HH:MM:SS(Hours:Mins:Seconds) format and will be populated only when the Fault is closed or Fault Closed Date is populated. For Open faults Total OST will be Null.Previous Changes.

December 2009 – 16.12b Changes

Please note that the following changes would be effective from 22/01/2010 only.

1 .New (Modified) URL’s for accessing the Order Delta Reports using multiple user-id’s has been developed. CP’s accessing BBCR Order Delta Reports with multiple user-id’s privilege can access BBCR using an added functionality/feature.

A new. jsp page (Dataxml.jsp) has been developed for accessing BBCR using multiple user-id’s.

Example URL are mentioned under the ‘Example XML Requests’ section.

Please note that for CP’s accessing BBCR using single user-id profile, the URL’s & the method of accessing will remain the same as previous and there would not be any change in the existing functionality.

2. PEW XML with date parameters is applicable only for 20CN.

November 2009 –16.12a Changes

Please note that the following changes will be effective from 27/02/2010 only.

1. Addition of two new attributes “ONT Port ID” and “ONT Serial Number” in the following XML reports for WBC/21 CN Circuits Only:

- Order Delta GM Dates XML V5
- Fault Delta Dates XML V2
- Migration Summary Report
- Product Family Migration XML

2. Addition of two new attributes “Upstream Maximum Stable Rate” and “Upstream Fault Threshold Rate” and change in the name of the existing attributes – “Maximum Stable Rate” to “Downstream Maximum Stable Rate” and “Fault Threshold Rate” to “Downstream Fault Threshold Rate” in the following reports:

- Line Rate Synchronisation Report
- Max End User Summary Report
- DSL Max Service Option Report

3. The below merntioned Line has been removed from the XML User Guide from page no.15 (Applying for access) as the helpdesk do not have any scripts or DTDs or FAQs to pass across to the customer :

“Once your account is ready, the helpdesk will email you a zipped starter pack. This pack will contain the PERL template script, DTDs and FAQs “

4. “Provide Type” field description has been modified in Page No:206.

December 2009 –16.11a Changes
Please note that the following changes will be effective from 10/01/2010 only.

1. New Description of Park Time field has been added.

October 2009 –16.11 Changes
Please note that the following changes will be effective from 10/01/2010 only.

1. Data Type of “Park Time” in “Fault Delta Dates XML V2” has been changed to format hh:mm:ss.

2. Change in size of column “BRAS Profile Name” in the following reports:

- Line Rate Change Delta XML
- Max End User Summary XML

August 2009 –16.10a Changes
Please note that the following changes will be effective from 22/11/2009 only.

1. Inclusion of following new data item in “Order Delta GM Dates XML V5”.

    a) Cease Reason

2. Old Service ID for Migration orders with change of CP will not be available in “Product Family Migration XML”.

July 2009 –16.9a Changes
Please note that the following changes will be effective from 25/10/2009 only.

Addition of new attribute “Park Time” in Faults Report.

August 2009 –16.8a Changes
Please note that the following changes will be effective from 04/10/2009 only.

1. All DLM attributes will display “Not Valid for FTTC” in DSLMAX Reports.

2. Fault Reason Code (FRC) has been introduced for SFI Tool. The additional value of Fault Reason Description will be “Customer Controlled Special Fault Investigation”.

July 2009 –16.8 Changes
Please note that the following changes will be effective from 16/08/2009 only.

1. Addition of new data item i.e. “**Not Applicable**” in “**Interleaving**” field.

2. Length of “eCo Order Number/Order ID” attribute is increased to 16 characters.

May 2009 –16.7c Changes
Please note that the following changes will be effective from 27/06/2009 only.

1. For **SIMULTANEOUS** and **MOVERS** Orders DN might change during order progression, changed DN would be reflected in the following field.

    - Telephone Number/DN

2. New values to be displayed in Fault Status field in “Fault Delta Dates XML V2”.
   The following new values will be displayed:
   - Raised
   - Rejected
   - Accepted
   - Fault Found
   - Cancelled
   - RWT

March 2009 –16.7b Changes
Please note that the following changes will be effective from 27/06/2009 only.

1. Addition of following attributes in “Order Delta GM Dates XML V5”.

For both 20 CN/21 CN Circuits:

- Order Line Number

For WBC/21 CN Circuits Only:

- ModifiedFTRCalc
- First Appointment Date
- Agreed Appointment Date
- Appointment Status
- Appointment Reason

2. Addition of following attributes in “Migration Summary Report” and “Product Family Migration XML”.

For WBC/21 CN Circuits Only:

- ModifiedFTRCalc

3. Addition of following attributes in “Fault Delta Dates XML V2”.

For WBC/21 CN Circuits Only:

- First Appointment Date
- Agreed Appointment Date
- Appointment Status
- Appointment Reason

May 2009 – 16.6d Changes
Please note that the following changes will be effective from 09/05/2009 only.

Addition of a new data item in the “Fault Clear” field:

1. K1 - Knowledge Based Diagnostics Rejection

April 2009 –16.6c Changes
Please note that the following changes will be effective from 09/05/2009 only.

Modification of Order Delta GM Dates XML to include a new value in Change Type field. The new data item will be “PORT RETERMINATION”

January 2009 –16.6b Changes
Please note that the following changes will be effective from 24/04/2009 only.

Modification of PEW XML to include date parameters. If particular information corresponds to 21CN then the MSAN tag will be populated else the DSLAM tag will be populated.

March 2009 – 16.5c Changes
Please note that the following changes will be effective from 24/03/2009 only.

Addition of new data items in the “Fault Reason” field.

February 2009 – 16.5b Changes
Please note that the following changes will be effective from 21/03/2009 only.

1. System Name and the Volume Name of the BBCR Portal will be modified as below.

- **System Name** will be modified to “Wholesale Customer Reports”
- **Volume Name** will be modified to “Wholesale”

“Broadband Customer Reports” folder will be renamed to “Wholesale Customer Reports”.

Note: To see the detailed information please refer to Introduction section above.

December 2008 –16.4b Changes
Please note that the following changes will be effective from 02/02/2009 only.

1) Addition of new data item in the ‘Downstream’ field.

The new data item is:

1. 8Mbit/s Transit

November 2008 –16.5 Changes
Please note that the following changes will be effective from 22/02/2009 only.

1. Modification in all the XML URL’s from **www.btwholesale.com:8443** to **www.wcr.bt.com**
2. Weblogic server cookie name updated from jsessionid to JSESSIONID_BBCR
3. Modification of PEW XML to support MSAN WBC/21 CN information.
4. Modification of Migration Summary Report to display different tags for 21 CN and 20 CN information.

October 2008 –16.4a Changes

Please note that the following changes will be effective from 02/02/2009 only.

2) Deletion of the following attributes from 'Product Family Migration XML:

   a) Expedited Allowed
   b) Expedited Chargeable

October 2008 –16.3a Changes
Please note that the following changes will be effective from 15/12/2008 only.

1) Addition of timestamp in the attribute "Contractual Delivery Date" in below mentioned XMLs:
   a) Order Delta GM Dates XML V4
   b) Order Delta GM Dates XML V5

September 2008 –16.3 Changes
Please note that the following changes will be effective from 15/12/2008 only.

1) Addition of the following new attributes in 'Product Family Migration XML:

   a) Expedited Allowed
   b) Expedited Chargeable

2) Addition of a new attribute "Supplier Notes" in "Order Delta GM Dates XML V5".

3) Aligning the XML User Guide with the existing "Service Activity Notice XML".

July 2008 –16.2a Changes
Please note that the following changes will be effective from 03/11/2008 only.

1) Addition of the following new attribute in 'Product Family Migration XML':

   a) Migration Type

2) Implementation of CUG ID in all the 'Service Activity Notices' Reports.

For WBC/21 CN Circuits ‘Telephone Number’ is renamed to ‘DN’. ‘Exchange’ is renamed to ‘Exchange Name’ for both 20 CN and WBC/21 CN Circuits.

3) Network ID and DN to be masked in all the ‘Service Activity Notices’ Reports for WBC/21 CN Circuits. In relation to WBC/21 CN Services, the users will not have the visibility of the Network ID and DN and hence the Reports will not display any value against the “Network ID” and “DN” fields.

June 2008 –16.0e Changes
Please note that the following changes will be effective from 28/09/2008 only.

1. Addition of the attribute”E2E Line Test Result” has been aborted in the following XML:

Order Delta GM Dates XML V4

2. Addition of new data items in the “Delay Reason” field.

The new data items are:

2. NEW APPOINTMENT REQUIRED – BT ISSUE
3. DELAY DUE TO END USER
4. PSTN DELAY

July 2008 –16.1c Changes
Please note that the following changes will be effective from 19/10/2008 only.

Weblogic server cookie name updated from jsessionid to JSESSIONID_BBCR.

July 2008 – 15.9e Changes
Please note that the following changes will be effective from 06/09/2008 only.

Addition of five new data items in the “Cancelled Reason” field.
The new data items are:

1. Conflicting PSTN order CCD

2. No current PSTN contact
3. Cancellation of PSTN transfer
4. Conflicting open order
5. Due to early PSTN cease date

Addition of four new data items in the “Delay Reason” field.
The new data items are:

1. DELAYED IN PROCESSING
2. DELAYED DUE TO END USER
3. POTENTIAL PSTN DELAY CONTACT VOICE PROVIDER
4. DELAY IN PSTN PROVISION CONTACT VOICE SUPPLIER

July 2008 –15.8d Changes
Please note that the following changes will be effective from 24/08/2008 only.

1) Change in Data value in ASEnabledUsers tag in **AS Enabled External XML.**

Users With Throttle To Subscription Policy is changed to Users with "Throttle To" Policy.
Users With Unthrottled Subscription Policy is changed to Users with “Unthrottled” Policy.
Users With Unknown Subscription Policy is changed to Users with Unrecognised Policy.

June 2008 –16.0d Changes
Please note that the following changes will be effective from 28/09/2008 only.

1. Addition of two new attributes “Supplier Notes” and “E2E Line Test Result” in the “Order Delta GM Dates XML V4” XML.

The “Supplier Notes” attribute will contain optional text from the Service Management Centre which will provide more specific and comprehensive update to CP in the event of a delay.

The E2E Line Test is a single composite test performed automatically during broadband (IPstream) provision. The test results will be displayed in the new attribute “E2E Line Test Result”.

2. Addition of timestamp (hh24:mi:ss) in StartDate and FinishDate fields of “PEW XML”.

July 2008 –15.7c Changes
Please note that the following changes will be effective from 14/08/2008 only.

Addition of the following new data items in the ‘Cancelled Reason’ field:

1). ADSL Cancelled Reissue as Provide
2) Line cannot be upgraded for DSL at reasonable cost

July 2008 – 15.9d Changes
Please note that the following changes will be effective from 01/09/2008 only.

The updates/modifications made for Issue 15.9a as stated in point1are aborted and are deleted from the version.

June 2008 –15.9a Changes
Please note that the following changes will be effective from 01/09/2008 only.

1. Addition of the following new fields in ‘Product Family Migration XML’:

    a) Migration Type
    b) Expedited Allowed
    c) Expedited Chargeable

2. Addition of a new field “Original Service ID” in the following XML:

‘Order Delta GM Dates XML V4’.

3. Modification of an existing data item in the “Upstream” field.

“832Kbits/s” is modified to “UNCAPPED”.

June 2008 –15.7b Changes
Please note that the following changes will be effective from 15/07/2008 only.

1. Addition of new data items in the ‘Fault Reason’ field in the following:

1) Fault Delta Dates XML
2) Fault Delta Dates XML v2

The above XML’s donot have any functional changes, but there will be additional values displayed in this report for fault reason attribute. As part of this delivery, only a single Fault Reason Code(FRC) has been introduced for KBD Tool. The additional value of Fault Reason Description will be “Knowledge Based Diagnostic”.

May 2008 –15.8c Changes
Please note that the following changes will be effective from 24/08/2008 only.

1. Addition of two new attributes to the “**Inventory Detail XML**”. They are:

a) Policy Last Updated DateTime
b) Policy Last Updated Through

“Policy Last Updated DateTime” identifies the date and time when the Policy was last updated.

“Policy Last Updated Through” shows whether the last update on Policy was through OSS or ADQ.

2. The attribute “Subscription Policy” is renamed to “SP-requested Policy”.

June 2008 – 15.7a Changes
Please note that the following changes will be effective from 12/07/2008 only.

1) The XML’s under ‘21 CN Product Reports’ folder are moved to ‘Release 2’ keeping the same folder structure. Thus, the ‘21 CN Product Reports’ is no more available. The URL under section ‘**WBC Product XML’ for the following two XML’s** is no longer in use and thus are removed from the version.

a) ‘Order Delta GM Dates XML V4’
b) ‘Fault Delta Dates XML V2’**.**

2) Following XML’s are created:

a) ‘Order Delta GM Dates XML V5’ - It will be same as ‘Order Delta GM Dates XML V4’ with the addition of a new field i.e ‘Original Service ID’.

b) ‘Migration Summary Report’ - It shows the detail of those services that has been lost due to migration.

c) ‘Product Family Migration XML’ – It is created to display the information of the End User who has migrated from one product to other.

May 2008 –15.7 Changes
Please note that the following changes will be effective from 01/06/2008 only.

1. Addition of a new attribute called “Name the Day” in the “Order Delta GM Dates XML V4” XML.

The attribute is introduced to provide a better understanding between SP and BTW on the Date of the provisioning of Orders.

“Name the Day” attribute will hold values as ‘YES’ or ‘NO’.

‘YES’ signifies that the Order has a reserved slot for provisioning.
‘NO’ signifies that the Order does not have any reserved slot for provisioning and thus, normal orders.

2. Addition of the following data item in the ‘Delay Reason’ field:

“Frame appointment reservation timed out.”

February 2008 –15.6 Changes
Please note that the following changes will be effective from 25/05/2008 only.

1. Addition of a new attribute called “Name the Day” in the “Order Delta GM Dates XML V4” XML.

The attribute is introduced to provide a better understanding between SP and BTW on the Date of the provisioning of Orders.

“Name the Day” attribute will hold values as ‘YES’ or ‘NO’.

‘YES’ signifies that the Order has a reserved slot for provisioning.

‘NO’ signifies that the Order does not have any reserved slot for provisioning and thus, normal orders.

April 2008 – Release 15.5c Changes
Please note that the following changes will be effective from 26/04/2008.

1. Addition of the following new data items in the ‘Order Type’ field:

“MODIFY”
“AMEND OF PROVIDE”
“AMEND OF MODIFY”
“AMEND OF CEASE”
“CANCEL OF PROVIDE”
“CANCEL OF MODIFY”
“CANCEL OF CEASE”
“RESUME”
“SUSPEND”.

March 2008 – Release 15.5b Changes
Please note that the following changes will be effective from 15/04/2008 only.

3. Addition of the following data item in the ‘Delay Reason’ field:
“POTENTIAL PSTN DELAY”.

March 2008 – Release 15.5a Changes
Please note that the following changes will be effective from 08/04/2008 only.

1. Addition of the following data items in the ‘Delay Reason’ field:
“PSTN DATE CHANGE”, “NUMBER TRANSFER”, “FRAMES EXCHANGE EQUIPMENT”, “TPON” and “TEST ACCESS MATRIX”.

2. Addition of the following data item in the ‘Line Item Sub Status’ field:
“ORDER MATCHED”.

February 2008 Release 15.5 Changes
Please note the following changes will be effective from 28/02/2008 only.

1. Addition of the following new data item in the ‘Cancelled Reason’ field:

“Revised CCD due to earlier PSTN cease date”.

2. Modification of the following existing data item in the ‘Cancelled Reason’ field:

“Order cancelled due to cancellation of narrowband transfer order” is modified to “Order cancelled due to cancellation of narrowband transfer”.

January 2008 Release 15.4 Changes
Please note the following changes will be effective from 26/04/208 only.
The user guide has been updated in order to facilitate the 90 days notice for the users to change/update their system,if any, because of these changes.

1. Network ID will be masked in all **DSL Max** & **Advanced Services** the XML’s for WBC/21 CN Services i.e. all the XML’s displaying Network ID are modified to suppress it for 21CN/WBC Services. Under WBC/21 CN Services, the users will not have the visibility of Network ID and hence the XML’s will not display any value against the “Network ID “.

2. The current Security Model is changing with the Implementation of CUG ID in the Reports. Under WBC/21 CN Services, a group of Customer ID will be clubbed together into a Single Customer ID. The Security Model is primarily based on the Customer ID and needs to be modified to incorporate the Customer Group ID. Hence, the Security Model is changed in all the **DSL Max**, **Advanced Services** & **WBC** XML’s.

3. The following XML’s in **DSLMax** are modified:

a)Line Rate Change Delta XML: A new data item will be added in “BRAS Profile Name” field of the Report for 21CN Services along with the existing values for 20 CN.

b)Service Profile XML: “Service Option” is renamed to “Stability Option-Service Option” in the Report. It will display “Standard”, “Stable” and “Super Stable” for WBC Circuits.

c)Line Rate Synchronisation XML: Two new attributes “Max Downstream Line Speed Requested” and “Max Upstream Line Speed Requested” are added.

d)Max End User Summary XML: Four new attributes “Traffic Weighting”, “Technology Type”, “Max Upstream Line Speed Requested” and “Max Downstream Line Speed Requested” are added. The existing attribute “Service Option” is renamed to “Stability Option-Service Option”. It will display “Standard”, “Stable” and “Super Stable” for WBC Circuits.

The Max End User Summary XML is functionally modified so that whenever the User queries for a WBC Service additional attributes for WBC ADSL2+ will be made visible to the user. The attributes are:

“Downstream Min Line Rate”, “Downstream Min Line Rate Change”, “Downstream Max Line Rate”, “Downstream Max Line Rate Change”, “Downstream Target Margin”, “Downstream Target Margin Change”, “Downstream Interleave Mode”, “Downstream Interleave Mode Change”,
“Downstream Min INP”, “Downstream Min INP Change”, “Downstream Max Delay”, “Downstream Max Delay Change”, “Upstream Min Line Rate”, “Upstream Min Line Rate Change”, “Upstream Max Line Rate”, “Upstream Max Line Rate Change”, “Upstream Target Margin”, “Upstream Target Margin Change”, “Upstream Interleave Mode”, “Upstream Interleave Mode Change”, “Upstream Min INP”, “Upstream Min INP Change”, “Upstream Max Delay”, “Upstream Max Delay Change”, “Access Technology”, “Access Technology Change”.

e)DSL Max Service Option XML: Two new attributes “Traffic Weighting” and “Technology Type” needs to be added. The existing attribute “Service Option” is renamed to “Stability Option-Service Option”. It will display “Standard”, “Stable” and “Super Stable” for WBC Circuits.

f) A new DSL Max XML called “21 CN Service Profile XML” needs to be created. It will display the attributes for 21 CN/WBC Profiles which includes both simple ADSL and ADSL2+ Profiles.
It will conatin the following attributes:
“Service ID”, “Product”, “Downstream Min Line Rate”, “Downstream Min Line Rate Change”, “Downstream Max Line Rate”, “Downstream Max Line Rate Change”, “Dowsntream Target Margin”, “Dowsntream Target Margin Change”, “Downstream Interleave Mode”, “Downstream Interleave Mode Change”, “Downstream Min INP”, “Downstream Min INP Change”, “Downstream Max Delay”, “Downstream Max Delay Change”, “Upstream Min Line Rate”, “Upstream Min Line Rate Change”, “Upstream Max Line Rate”, “Upstream Max Line Rate Change”, “Upstream Target Margin”, “Upstream Target Margin Change”, “Upstream Interleave Mode”, “Upstream Interleave Mode Change”, “Upstream Min INP”, “Upstream Min INP Change”, “Upstream Max Delay”, “Upstream Max Delay Change”, “Access Technology”, “Access Technology Type”, “Interleaved”, “Profile Change Time”, “BIP Update Time”, “Stability Option-Service Option”.

Please note that the new XML is built for 21 CN Users and an User with 21 CN credentials only will be able to access the XML.

4. The following XML in **WBC** are modified:

Based on the BBCR XML a separate WBC product information report is created named ‘Order Delta GM Dates XML V4’. The WBC product information also contains a additional XML named ‘Fault Delta Dates XML V2’.

All the XML’s will be available inside the ’21 CN Product Reports’ folder.

The following ‘Order Delta GM Dates XML V4’ XML in **WBC** are modified:

The following attributes will be available in ‘Order Delta GM Dates XML V4’ when the user configures his profile with **EUA only** from Product Configuration Report. These attributes will not be available for ADSL and SDSL Order.

- Stability Option
- Access Technology
- Downstream
- Customer Line Item Reference
- Traffic Weighting
- Upstream
- Intermediate Agent
- Current KCI Message

The following attributes will be renamed for **EUA** XML Order.

- ‘Policy’ is renamed to ‘Advanced Services Opt-In’
- ‘Interleaving Permission Flag’ is renamed to ‘Interleaving’
- ‘Service Level’ is renamed to ‘Service Level / Maintenance Category’
- ‘Committed Delivery Date is renamed to ‘Contractual Delivery Date’
- ‘Customer Id’ is renamed to ‘Customer Group Id’ (to be confirmed)
- ‘Customer Name’ is renamed to Customer Group Name (to be confirmed)
- ‘Customer Reference is renamed to ‘Customer Order Reference’
- ‘Billing Account’ is renamed to ‘Customer Billing Account’
- ‘Customer Agreed Date’ is renamed to ‘Customer Promised Date’

- ‘Reason for Change of Date’ is renamed to ‘CRD Amend Reason’
- ‘Telephone Number’ is renamed to ‘DN’
- ‘Line Item Sub Status’ is renamed to ‘Line Item Status’
- ‘Order Type’ is renamed to ‘Line Item Type’
- ‘MAC Key’ is renamed to ‘Migration Authorisation Code’
- ‘eCo Order Id’ is renamed to Order Id
- ‘Product’ is renamed to ‘Product Name’
- ‘Domain Name’ is renamed to ‘EP SVLAN ID’

The following attributes will be removed from “Order Delta GM Dates XML V4” when the user configures his profile with **EUA only** from Product Configuration Report.

- Line Test
- Change Type (Generic Modify Orders)
- Network Availability Date
- CSAC
- VCI
- VCI Boot
- VCI Control
- VCI Video
- VPI
- VPI Bootcontrol
- VPI Video
- Domain Name 2
- Domain Name 3
- Domain Name 4
- Domain Name 5
- VP PSID 1-5
- VCI 1-5
- Package Ref
- Package Description
- PAT IP Address
- PAT Port No

- PAT Protocol
- DHCP Required
- DHCP Range 1
- DHCP Range 2
- Flowpoint IP
- Subnet IP
- NAT Required
- PAT Required
- Old Network Id
- Network Id

The following attributes will not be available in the “Fault Delta Dates XML V2” when the user configures his profile with **EUA only** from Product Configuration Report. These attributes will be available for ADSL and SDSL Fault.

- Old Network Id
- Network Id

The following new XML is available under ’21 CN Product Reports’ folder.

XML

Fault Delta Dates XML V2 :-

The following attribute is renamed for EUA Fault. This attribute will not be renamed for ADSL and SDSL Fault.

- ‘Service Level’ is renamed to ‘Service Level / Maintenance Category’

November 2007 Release 15.3 Changes
Please note the following changes will be effective from 31/03/2008 only.

The use of italics and red text denotes where it has been changed.

Service Profile XML

A new field “Service Option” is added to cater the level of Service opted by the End User for individual circuits. The Users will have the option to change the Service Option as part of a modify order, and will also be able to select it as a new DSL Max Order. Thus, the Service Providers will have the visibility of Service Option values for each Service and will thus enjoy the privilege to detect how DLM manages a particular line.

Max End User Summary XML

A new field “Service Option” is added to cater the level of Service opted by the End User for individual circuits. The Users will have the option to change the Service Option as part of a modify order, and will also be able to select it as a new DSL Max Order. Thus, the Service Providers will have the visibility of Service Option values for each Service and will thus enjoy the privilege to detect how DLM manages a particular line.

DSL Max Service Option XML

A new XML which will provide the details of the Service Option selected for a particular Service and its status to the Service Providers. The Users will have the Option to change the Service Option as part of a modify order, and will also be able to select it as a new DSL Max Order. But, it will take a number of days to reach the Option requested or it may not be able to reach the requested Option due to Line conditions. The Service Option values and its status will be displayed in the XML. The Service Option Status value depicts if the requested Option can be reached or not. Hence, the Service Providers will be able to view and control how DLM manages a particular Line. This in turn, will ensure a better Customer Experience.

The fields shown in the XML are:

a. Service ID
b. Network ID
c. Service Option
d. Service Option Status
e. Service Option Update Timestamp
f. Maximum Stable Rate
g. Fault Threshold Rate
h. Run Mode
i. Interleaved

The use of italics and red text denotes where it has been changed.

Please note that the following changes will be effected from 25/01/2008
December 2007 – Release 15.2 changes

1. Addition of the following data item in the 'Cease Type' field:

'CEASE(W)' along with the present values.

2. Addition of the following data item in the 'Customer Reference' field:

'WLR3 CEASE' along with the present values.

October 2007 – Release 15.1 changes

Advanced Services

1. New xml – **AS ENABLED EXTERNAL XML** to provide the information about all circuits having Throttled , Unthrottled or unknown policies for a particular SP.

AS ENABLED EXTERNAL XML – New AS Report provides the followings for a particular SP:

- Total number of AS Enabled Service IDs
- Total number of circuits having Throttled Policies
- Total number of circuits having Unthrottled Policies
- Total number of circuits having Unknown Policies

2. New xml – **INVENTORY DETAIL XML** to provide the individual circuit details.

INVENTORY DETAIL XML – New XML which will display the individual circuit details for throttled or unthrottled or unknown policies of the Advanced Services End users under a particular SP.

3. Addition of the following data items in '**Service ID'** field

- **BBEUnnnnnnnn** (in addition to present IPStream formats - **BBIPnnnnnnnn or FTIPnnnnnnn).**

4. Increase in field length **of Service Provider ID/Customer ID (from 11 characters to 40 characters)** for the implementation of CUG ID.

5. Addition of the following data item in '**Policy Requested'** field

- Policy Requested format has been changed now from **"Throttle To_"+[0-9]{2-4}+"k"; to "Throttle To_"+[0-9]{2-5}+"k" i.e. "Throttle To_nnnnnk"**

6. Increase in the field length of '**Policy Applied' and 'Policy Removed' fields** from 20 characters to 127 characters.

7. Addition of the folowing data item in **Exception Code'** field

- "**S_WBC-Session**" (It will contain both Success Code = "False" and "True")

June 2007 – Release 15.0 changes

Addition of 3 new data items in 'Cancelled Reason' field in the Order reports.

June 2007 – Release 14.9 changes

Increase in length from 10 numeric chars to 15 numeric chars for hour fields(hour0 – hour23) used in Bandwidth Per SP XML.

May 2007 - Release2 14.8 changes

Advanced Services
New xml **Circuit Move Detail XML** to provide the circuit move information .

Circuit Move Detail XML – New report which will provide the information to the Service Providers that which of its circuits are being migrated from a VP to a different VP on the same DSLAM.

The Reports will only display up to 91 days of Completed and Failed Moves.

March 2007 for Release2 14.7 Version 2 changes

Addition of the following column in ‘Session Request per SP XML’:

- Exchange Name

Addition of the folowing data items in ‘Delay Reason’ field in the Order Delta XMLs:

- Site Access Problem
- New Appointment Reqd. BT Issue

March 2007 for Release2 14.7 changes

1. Addition of the following columns in Order Delta GM Dates XML V4
    2. Network Type
    3. Old Network ID
    4. Planned Capacity Resolution Date
2. Addition of the following column in Fault Delta Dates XML V2
    - Network Type

March 2007 for Release2 14.6(Version2) changes

Additional 8 new data items added to ‘Fault Clear’ field in the Faults reports. (Please refer to Fault Report Columns section at the end of the document)

February 2007
Please note the following changes will be effective from 31/05/2007 only.
The user guide has been updated and issued in Feb’07 in order to facilitate the 90 days notice for the users to change/update their system,if any, because of these changes.

Line Rate Change Delta XML
Addition of three new fields to the Line Rate Change Delta XML to display the sync event details irrespective of whether the sync event has caused a change in the BRAS Profile or not.

The fields added to the Line Rate Change Delta XML are:

1.Sync Rate
2.Sync Timestamp
3.BRAS Profile Name

The field “Downstream Line Rate” is renamed to “Headline Rate-Downstream Line Rate”.

Max End User Summary XML

Addition of three new fields to the Max End User Summary XML to display the sync event details irrespective of whether the sync event has caused a change in the BRAS Profile or not.

The fields added to the Max End User Summary XML are:

1. Sync Rate
2. Sync Timestamp
3. BRAS Profile Name

The field “Downstream Line Rate” is renamed to “Headline Rate-Downstream Line Rate”.

DSL Max Capped Circuit XML.

The Report title “DSL Max Auto Capped Circuit” is renamed to “DSL Max Capped Circuit”.
Name of the XML, Auto_Capped_XML_Download.XML is renamed to Capped_Circuit_Download.XML.
The field “Auto Capped” is renamed to “Capped Reason”. The Capped Flag received contain the following values: ”A”,”C”,”N”.
The report needs to display the following information in the “Capped Reason” field “AUTO” for “A”, “CHRONIC” for “C” .

The field “Downstream Line Rate” is renamed to “Headline Rate-Downstream Line Rate”.

January 2007

Order Delta GM Dates XML V4

New data item ‘ASE’ in the ‘Change Type’ field as part of Advanced Services functionality.
the rationale behind this change is to isolate the Advanced Services Orders from the other generic non Advanced Services type orders. When CP's start offering Advanced Services (i.e. an assured rate BB connection that guarantees a minimum line speed) to their customers then they will need to raise the appropriate orders and be able to track them. This change type puts all these AS orders into a single bucket so they can be easily tracked. By selecting all Orders with an ASE change type the CP will see all its Advanced Services Orders and not the other unrelated orders.

Change_type is not a new field, it already exits with a set of change_type values that can be selected to filter the orders, we are just introducing a new change_type value of ASE, so as well as all the existing change_types that can currently be selected, the user will be able (if desired) to select the ASE change_type.

New ‘Order Delta GM Dates XML V4’ is deployed to support this functionality.
Existing ‘Order Delta GM Dates XML V3’ will be decommissioned 3 months after this release.

November 2006

DSL Max auto capped circuit

21 CN Migration
The **Order Type** field on BBCR Orders reports for all TE Migration orders will be “**21CN MIGRATION**”
In order to distinguish between the 3 different order types (Grooming, Migration and Fallback) the **Customer Reference** field on BBCR Orders reports will have the following “**TE GROOMING**” for grooming, “**TE MIGRATION**” for migration and “**TE FALLBACK**” for fallback orders.

October 2006

Addition of six new fields in the Order Delta GM Dates XML V3 report to facilitate phased decommissioning of Order Delta GM Dates XML V2 after 3 months notice period.

The fields added to the Order Delta GM Dates XML V2 report are :

1. Provide Type
2. Cease Type
3. Provision On Cease
4. Customer Enquiry Date
5. Order Matching Ref
6. Review Date

New url and DTD to allow parallel running for Order Delta GM dates xml V3

May 2006
New Advanced Services XML Capability.

The following AS XML download reports have been provided for SPs:

1. BILLING_TRANSACTION_XML
2. RPT_XML_BANDWIDTH_SP_DETAILS

3. SESSION_REQUEST_PER_SP_XML
4. SP_BILLING_EXCEPTION_XML

May 2006

New url and DTD Max End User Summary XML you can instigate a search based on a Network ID,Service Id or Date.
The planned activation date for this xml report is 30th June 2006
Delay reasons suspended are highlighted in blue (see page 105)
Uplift

We will continue to report delays to you as normal via BBCR, however the seven Reasons no longer reported will be remapped using the following rules:

1) If we do not receive confirmation from Openreach on day 2 of a provision order, this will be reclassified by BBCR as "Awaiting Routing".

2) If we do not receive a confirmation of order completion from Openreach by the Customer Agreed Date (CAD), this will be reclassified by BBCR as "Waiting Job Closure".

Our Business as Usual processes will continue to ensure that we update you on changes to your order status.

Apr 2006

MAC Key field for Lost Migration report and order detail
Installation DN will be displayed when the sub status is installed for simultaneous orders
ADSL Order Matched sub status is to be removed on simultaneous orders

Interleaving flag – added to Order Delta GM Dates XML DTD

New url and DTD to allow parallel running for Order Delta GM dates xml V2
New url and DTD to allow parallel running For the Lost Migration report V3
New url and DTD PEW Search you can instigate a search based on a DN, CBUK ,Service Id or PEWNumber this will be activated on the uplift planned 19th may

Old version of the Order delta and lost migration url's and DTD will be removed after 90 days of this update

For Max Product XML, the design is different to improve the performance of the report. Please check the Max Products XML section for the access details. Page-13 of this document.

The date of this change is Apr 2006

Previous Changes

Max DTDs
Changes are shown in italics throughout the document.
Lost Migration Report
Customer Agreed Date & Cancelled Date will be added to the report
Lost Migration Report
End User First Name, Last Name and Postcode will be removed
Telephone Number will not be displayed if the Order Status is Completed

Generic Modify

Two new Order Types, Modify and SP Migration will be displayed

The following Change Type(s) will be displayed
PRODUCT
DOMAIN
EU ROUTER
SP
CARE LEVEL
VP

New data items will be displayed
VP PSID,PAT IP Address, PAT Port No, PAT Protocol, DHCP Required, DHCP Range 1, DHCP Range 2,Flowpoint IP, Subnet IP, NAT Required, PAT Required, Old Product, Change Type,VCI2,VPI2,VP PSID2,VCI3,VPI3, VP PSID3, VCI4, VPI4, VP PSID4, VCI5, VPI5, VP PSID5, Package Ref, Package Description, Product Sub Type, Policy

Customer Reference and Change Type are now added to the search criteria screen.

Where there is an SP Migration taking place and there is a change of Network Id, Service Id and/or Product the original values of the attribute will be shown on the Lost Migration Report and the new values on the report available to the Gaining SP. This applies to all report formats.

If the Network Id and or Service Id change but there is no SP Migration, then the same field will be used to display the old and new values.

In addition the existing Regrade, Change, Change maintenance and Migrate EU Orders will be shown separately. They will be assigned a Change Type to align with the new Generic Modify change type values.

If the Order Type is Regrade then the change type is set to PRODUCT

If the Order Type is Change and any of the following fields are populated the a change type of EU ROUTER is displayed
PAT IP Address
PAT Port Number
PAT Protocol
DHCP Required
DHCP Range 1 or Range 2
Flowpoint IP
Subnet IP
NAT Required
PAT Required
Non Default Subnet

If the Order Type is Change and the following fields are not populated the change type is set to DOMAIN
PAT IP Address
PAT Port Number
PAT Protocol
DHCP Required
DHCP Range 1 or Range 2
Flowpoint IP
Subnet IP
NAT Required
PAT Required
Non Default Subnet

If the Order Type is Change Maintenance then the change type is set to
CARE LEVEL

If the Order Type is Migrate EU then the change type is set to SP
The following reports are affected by this change
Order Detail Record View, Order Changes Report. Order History Detail, Order History Summary, Order Progress Detail, Order Progress Summary
Order Summary Screen, Orders Unknown IDs Detail, Lost Migration Report
Orders Column Administration, Orders Email Administration
Order Delta Dates XML, Order Delta Online Dates XML, Order Delta XML
Order Delta Online XML

Fault Delta XML – Advanced Services version (Fault Delta XML v2 to be deployed in parallel with existing version for a period of 90 days from 08/02/06

Fault Delta XML v2 will has been updated with the following 2 fields:

Policy
Transaction ID

Bulk Speed Regrade

Two new Order types will be displayed for Bulk Speed Regrade
FALSE GREEN
REGRADE BSR

In addition where the BSR has errored a Code will be displayed, see below for a list of codes and descriptions.

Customer Reference	*Error Reason*
901	*Row must contain 2 of Network ID, Service ID and DN*
902	*Missing Product Code*
903	*Missing New product Code*
904	*Invalid Network ID*
905	*Invalid Service ID*
906	*Data Mismatch*
907	*Invalid Telephone No*
908	*Product Mismatch*

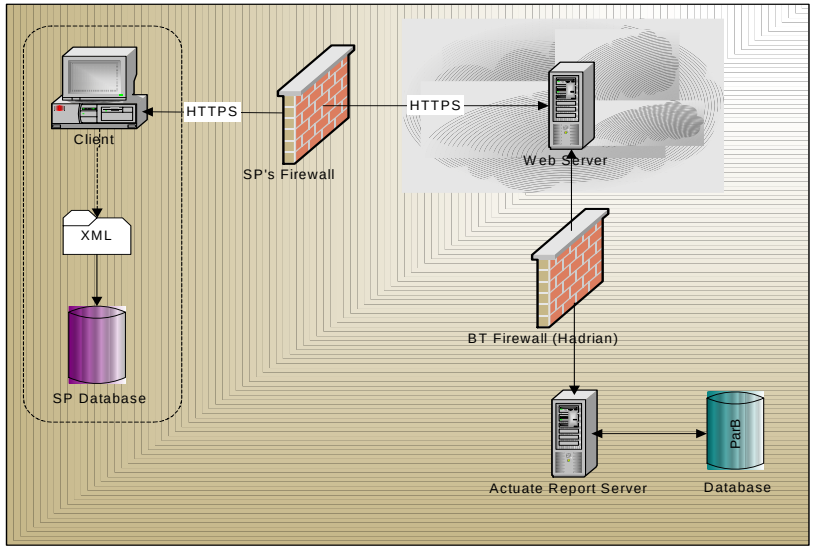
910	*Data Mismatch*
911	*Line Qualification*
912	*Data Mismatch*
913	*Invalid Service Provider ID*
914	*Missing Service Provider Name*
915	*Missing Billing Account Number*
916	*Missing Product Name*
917	*Product Not Supported*
918	*Product Migration Not Supported*
997	*Service not Available*
909	*Service Not Determined*

Additionally the process for applying for access has changed.

Additionally the way that reports are formulated and run has changed. This means that you will not be able to go back 10 days in one report. The maximum amount of data in one report will be 24 hours and the maximum history held will be 10 days. This means that the query you run will have to change and this is highlighted in the guide. The 10 day report will be removed on 21 October 2004. To facilitate this change the reports have had names changed.

High Level Overview of Design

At a high-level, the design is as follows:



To summarise, in the above diagram, a SP machine executes a request to the Actuate Report server and the response is data structured in XML. The data returned is the same as that available via the current web reports.

The request can be executed by running a single URL with the following parameters:

- Username (This would be the name of the user account created with the appropriate privileges to see the XML reports (e.g. “User123_Robot”)
- Password (This is the password to accompany the username (e.g. “S3cretp4ssw0rd”)
- Report Name (The name of the Actuate Report Executable to run, e.g. “Release1/XML/Order Delta XML.rox”)
- Report Parameters (Data values to be passed to the report itself, as part of the URL, so as to influence the output of the report (e.g. “&Delta_date=27/12/2002 06:00:00“)

i.e:

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=***folder_and_name_of_report***.rox&delta_parm=***parameters_to_be_passed&userID=user123_Robot&password*****=S3cretp4ssw0rd**

For Max Product XML, the design is different to improve the performance of the report. Please check the Max Products XML section for the access details.

Example XML Requests

As an example, if we were to use the following values:

- username:”User123_Robot”
- password:” S3cretp4ssw0rd”
- server name:” www.wcr.bt.com”
- *rox_name:”Release+2/XML/Order+Delta+Dates+XML”*
- ***delta_parm:”&pDeltaFromDate=02/09/2004+08:00:00&pDeltaToDate=02/09/2004+18:00:00”***
- delta_parm:”& pCreatedFromDate=29/05/2008& pCreatedToDate=30/05/2008”

We would require the following URL (note use of escape characters e.g. ‘%2f’ for ‘/’, ‘%26’ for ‘&’ etc):

> ***https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/Order+Delta+Dates+XML.rox&delta_parm=%26pDeltaFromDate%3d01%2f09%2f2004+00%3a00%3a00%26pDeltaToDate%3d01%2f09%2f2004+12%3a00%3a00&userID=user123_Robot&password=S3cretp4ssw0rd***

For the new version of the report an example URL would be:

> ***https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/Order+Delta+GM+Dates+XML+V4.rox&delta_parm=%26pDeltaFromDate%3d01%2f09%2f2004+00%3a00%3a00%26pDeltaToDate%3d01%2f09%2f2004+12%3a00%3a00&userID=user123_Robot&password=S3cretp4ssw0rd***

For the old version of the report an example URL would be:

> *https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/Order+Delta+GM+Dates+XML+V3.rox&delta_parm=%26pDeltaFromDate%3d01%2f09%2f2004+00%3a00%3a00%26pDeltaToDate%3d01%2f09%2f2004+12%3a00%3a00&userID=user123_Robot&password=S3cretp4ssw0rd*
>
> ***For CP’s accessing BBCR Order delta reports using multiple user-id profile, example URL would be :***

https://www.wcr.bt.com/bbtcr/Dataxml.jsp?rox_name=Release+2/XML/Order+Delta+GM+Dates+XML+V3.rox&delta_parm=%26pDeltaFromDate%3d01%2f09%2f2004+00%3a00%3a00%26pDeltaToDate%3d01%2f09%2f2004+12%3a00%3a00&userID=user123_Robot&password=S3cretp4ssw0rd

Please note that above URL is a mere example and other BBCR Order delta reports can too be accessed using similar URL's with appropriate parameters added.

For the Generic Modify version of the report an example URL would be:

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/Order+Delta+GM+Dates+XML.rox&delta_parm=%26pDeltaFromDate%3d01%2f09%2f2004+00%3a00%3a00%26pDeltaToDate%3d01%2f09%2f2004+12%3a00%3a00&userID=user123_Robot&password=S3cretp4ssw0rd

For the Fault Delta Faults report an example URL would be:

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/Fault+Delta+Dates+XML.rox&delta_parm=%26pDeltaFromDate%3d01%2f09%2f2004+00%3a00%3a00%26pDeltaToDate%3d01%2f09%2f2004+12%3a00%3a00&userID=user123_Robot&password=S3cretp4ssw0rd

For the Fault Delta Faults v2 report an example URL would be:

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/Fault+Delta+Dates+XML+v2.rox&delta_parm=%26pDeltaFromDate%3d01%2f09%2f2004+00%3a00%3a00%26pDeltaToDate%3d01%2f09%2f2004+12%3a00%3a00&userID=user123_Robot&password=S3cretp4ssw0rd

For the Lost Migration report V4 an example URL would be

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/Orders/Lost+Migration+Report+**V4**.rox&delta_parm=%26pXMLFlag%3dY&userID=user123_Robot&password=S3cretp4ssw0rd

For the Lost Migration report V3 an example URL would be

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/Orders/Lost+Migration+Report+V3.rox&delta_parm=%26pXMLFlag%3dY&userID=user123_Robot&password=S3cretp4ssw0rd

For the Lost Migration report V2 an example URL would be

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/Orders/Lost+Migration+Report+V2.rox&delta_parm=%26pXMLFlag%3dY&userID=user123_Robot&password=S3cretp4ssw0rd

For the Lost Migration report an example URL would be

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/Orders/Lost+Migration+Report.rox&delta_parm=%26pXMLFlag%3dY&userID=user123_Robot&password=S3cretp4ssw0rd

In the MSO Fault Search you can instigate a search based on a DN, CBUK or Service Id. As such there are three example URLs:

> https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/MSO+Fault+XML.rox&delta_parm=%26telephone%3d01161234567&userID=user123_Robot&password=S3cretp4ssw0rd
>
> https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/MSO+Fault+XML.rox&delta_parm=%26CBUK%3dCBUK1234567&userID=user123_Robot&password=S3cretp4ssw0rd
>
> https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/MSO+Fault+XML.rox&delta_parm=%26ServiceID%3dBBIP12345678&userID=user123_Robot&password=S3cretp4ssw0rd

In the MSO By Reference XML report you can search for impacted circuits by specifying an MSO reference number. As potentially thousands of circuits can be returned, you can turn off details of the circuits by setting the value of ‘ShowCircuits’ to ‘FALSE’:

> https://www.wcr.bt.com/bbtcr/xml.jsp?volume=Broadband&rox_name=Release+2/XML/MSO+ByReference+XML.rox&delta_parm=%26refno%3d6802%26ShowCircuits%3dFALSE&userID=user123_Robot&password=S3cretp4ssw0rd

In the Service Activity Search you can instigate a search based on a Network ID, Telephone number or Service ID. As such there are three example URLs:

> https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/Service+Activity+Notice+XML.rox&delta_parm=%26telephone%3d01161234567&userID=user123_Robot&password=S3cretp4ssw0rd
>
> https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/Service+Activity+Notice+XML.rox&delta_parm=%26NetworkID%3dCBUK1234567&userID=user123_Robot&password=S3cretp4ssw0rd

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/Service+Activity+Notice+XML.rox&delta_parm=%26ServiceID%3dBBIP12345678&userID=user123_Robot&password=S3cretp4ssw0rd

In the PEW Search you can instigate a search based on a DN, CBUK ,Service Id ,PEWNumber or FromDate and ToDate. As such there are five example URLs:

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/PEW+XML.rox&delta_parm=%26TelephoneNo%3d01161234567&userID=user123_Robot&password=S3cretp4ssw0rd

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/PEW+XML.rox&delta_parm=%26CBUK%3dCBUK1234567&userID=user123_Robot&password=S3cretp4ssw0rd

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/PEW+XML.rox&delta_parm=%26ServiceID%3dBBIP12345678&userID=user123_Robot&password=S3cretp4ssw0rd

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/PEW+XML.rox&delta_parm=%26PEWNumber%3dBBIP12345678&userID=user123_Robot&password=S3cretp4ssw0rd

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/PEW+XML.rox&delta_parm=%26FromDate%3d01%2f09%2f2008+00%3a00%3a00%26ToDate%3d02%2f09%2f2008+00%3a00%3a00&userID=user123_Robot&password=S3cretp4ssw0rd

The difference between FromDate and ToDate cannot be more than 24 hours(86400 seconds). User can download data for only 10 days previous to the day the XML is downloaded.

Max Product XMLs

Line Rate Change Delta XML:

In the Line Rate Change Delta XML you can instigate a search based on a ‘Hour’ and the example URL is:

https://www.wcr.bt.com/bbtcr/**xmldownload.jsp?reportId=Rpt_XML_SpeedDelta_Download.XML**&pHour=24&userID=TestUser&password=passw0rd

Line Rate Synchronisation XML:

In the Line Rate Syncrhonisation XML you can instigate a search based on a ‘Date’ and the example URL is:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_SpeedSync_Download.XML&pDate=23/03/2006&userID=TestUser&password=passw0rd

Service Profile XML:

In the Service Profile XML you can instigate a search based on a ‘Date’ and the example URL is:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_Profile_Download.XML&pDate=23/03/2006&userID=TestUser&password=passw0rd

Max End User Summary XML:

In the Max End User Summary XML you can instigate a search based on four different options:

Network ID Search:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_EUSummary_Download.XML&pNetworkID=CBUK11111&userID=TestUser&password=passw0rd

Service ID Search:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_EUSummary_Download.XML&pServiceID=BBIP11111&userID=TestUser&password=passw0rd

Network ID and Date Search:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_EUSummary_Download.XML&pDate=29/4/2006&pNetworkID=CBUK11111 &userID=TestUser&password=passw0rd

Service ID and Date Search:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_EUSummary_Download.XML&pDate=29/4/2006&pServiceID=BBIP1111112 &userID=TestUser&password=passw0rd

DSL Max Capped Circuit XML :

In the Capped_Circuit_Download.XML you can instigate a search based on a 'Date' and the example URL is:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=**Capped_Circuit_Download.XML**&pDate=01%2f12%2f2006&userID=TestUser&password=passw0rd

DSL Max Service Option XML :

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In the DSL Max Service Option XML you can instigate a search based on the following four conditions and the example URL's are as follows :

Service Success Indicator Search:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_DSLMax_Service_Option.XML&pSPID=Y&userID=TestUser&password=passw0rd

Service Success Indicator & Service ID Search:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_DSLMax_Service_Option.XML&pSPID=N&pServiceID=BBIP11111&userID=TestUser&password=passw0rd

Service Success Indicator & Network ID Search:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_DSLMax_Service_Option.XML&pSPID=Y&pNetworkID=CBUK11111&userID=TestUser&password=passw0rd

Service Success Indicator, Service ID & Network ID Search:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_DSLMax_Service_Option.XML&pSPID=N&pServiceID=BBIP11111&pNetworkID=CBUK11111&userID=TestUser&password=passw0rd

21 CN Service Profile XML :

In the 21 CN Service Profile XML you can instigate a search based on the following conditions and the example URL's are as follows :

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_21C_Profile_Download.XML&pDate=23/03/2008&userID=TestUser&password=passw0rd

Please note that this XML is built for 21 CN Users and an User with 21 CN credentials will be able to access the XML.

Advanced Services XML

In **Session Request Per SP XML** you can instigate a search based on Date which is in between the two parameters pDeltaFromDate and pDeltaToDate.
an example URL would be:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Session_Request_Per_SP_XML.XML&pDeltaFromDate=31%2f05%2f2006%2b00%3a00%3a00&pDeltaToDate=31%2f05%2f2006%2b23%3a00%3a00&userID=user123_Robot&password=S3cretp4ssw0rd

In **Billing Transaction XML** you can instigate a search based on on Date which is in between the two parameters pDeltaFromDate and pDeltaToDate.
an example URL would be:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Billing_Transaction_XML.XML&pDeltaFromDate=31%2f05%2f2006%2b00%3a00%3a00&pDeltaToDate=31%2f05%2f2006%2b23%3a00%3a00&userID=*user123_Robot&password=S3cretp4ssw0rd*

In **Bandwidth per SP XML** you can instigate a search based on Date Type.
If **Date Type = 'Daily'**
an example URL would be:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_bandwidth_sp_details.XML&DateType=Daily&Delta_date=31%2f05%2f2006&userID=*user123_Robot&password=S3cretp4ssw0rd*

If **Date Type = 'Monthly'**
an example URL would be:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=Rpt_XML_bandwidth_sp_details.XML&DateType=Monthly&Delta_date=2006%2f05&userID=*user123_Robot&password=S3cretp4ssw0rd*

In **SP Billing Exception Date Search XML** you can instigate a search based on on Date Of Error which is in between the two parameters pDeltaFromDate and pDeltaToDate.
an example URL would be:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId=SP_Billing_Exception_XML.XML&pDeltaFromDate=01%2f06%2f2006%2b00%3a00%3a00&pDeltaToDate=01%2f06%2f2006%2b23%3a00%3a00&userID=user123_Robot&password=S3cretp4ssw0rd

Circuit Move Detail XML:

In Circuit Move Detail XML you can instigate a search based on Scheduled Completion Date,Actual Completion Date,Service Id and Status. All the parameters are optional. Default value for Status is ALL.

Example of the url:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId= CIRCUIT_MOVE_DETAIL_XML.XML&pScheduledDate =31%2f05%2f2007& pActualDate=15%2f05%2f2007&pServiceID=BBIP12345678&pStatus=ALL *&userID=user123_Robot&password=S3cretp4ssw0rd*

AS ENABLED EXTERNAL XML :

In AS ENABLED EXTERNAL XML you can view the information about all circuits having Throttled , Unthrottled or unknown policies for a particular SP. No parameters need to be passed other than the Report ID, User ID and Password.

Example of the url:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId= AS_ENABLED_EXTERNAL_XML.XML &userID=user123_Robot&password=S3cretp4ssw0rd

INVENTORY DETAIL XML :

In INVENTORY DETAIL XML you can instigate a search based on Policy for the individual circuit details. The parameter is mandatory. Values for Policy can be either of ‘All’,’Throttle’,’Unthrottled’ or ‘Unknown’.

Example of the url:

https://www.wcr.bt.com/bbtcr/xmldownload.jsp?reportId= INVENTORY_DETAIL_XML.XML&Policy=Unthrottled
&userID=user123_Robot&password=S3cretp4ssw0rd

WBC Product XML

The URL of ‘Order Delta GM Dates XML V4’ and ‘Fault Delta Dates XML V2’ has been removed.

Order Delta GM Dates XML V5

In the Order Delta GM Dates XML V5 you can instigate a search based on a ‘Date’.

Example of the url:

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/Order+Delta+GM+Dates+XML+V5.rox&delta_parm=%26pDeltaFromDate%3d01%2f09%2f2004+00%3a00%3a00%26pDeltaToDate%3d01%2f09%2f2004+12%3a00%3a00&userID=user123_Robot&password=S3cretp4ssw0rd

Migration Summary Report

In the Migration Summary Report you can instigate a search based on a ‘Order Created Date’.

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/Orders/Migration+Summary+Report.rox&delta_parm=%26pCreatedFromDate%3d29%2f05%2f2008%26pCreatedToDate%3d30%2f05%2f2008%26pXMLFlag%3dY&userID=user123_Robot&password=S3cretp4ssw0rd

You can also run this report without passing date:

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/Orders/Migration+Summary+Report.rox&delta_parm=%26pXMLFlag%3dY&userID=user123_Robot&password=S3cretp4ssw0rd

Product Family Migration XML

In the Product Family Migration XML you can instigate a search based on a ‘Date’.

https://www.wcr.bt.com/bbtcr/xml.jsp?rox_name=Release+2/XML/Product+Family+Migration+XML.rox&delta_parm=%26pDeltaFromDate%3d01%2f09%2f2004+00%3a00%3a00%26pDeltaToDate%3d01%2f09%2f2004+00%3a00%3a00&userID=user123_Robot&password=S3cretp4ssw0rd

To facilitate the easy adoption of the machine-machine interface a working template script written in PERL[1] will be provided and gives an example of implementing the URL call. This template can then be modified by the SP to enable integrating the returned data in to their OSS.

The example PERL script executes this URL and attempts to authenticate the user by passing the username and password to the Actuate Report Encyclopaedia (not shown in diagram) using SSL. If the user is successfully authenticated, then the HTTPS request is passed to the Actuate Report Server and a report is built for the user based on the specified parameters. If authentication fails, the process stops and the PERL script produces zero XML output.

If successful, the output is returned in XML format and the PERL script “grabs” the tags and pipes them out to a text file on the client. This is the area that it is expected that the SP customises the script to enable integration into their OSS: the outputted XML file can then be loaded into an SP’s database for instance, or used with XSLT for example.

NB: For flexibility, there are no IP restrictions in place – the URL or Perl script can be run from any client. This allows the interface to be used on a backup server in scenarios where the SP’s main server might be down.

For Users Using a Script Other than the Supplied PERL when the URL call is made, the initial response from the system is not in XML but is a browser redirect to the client which contains a new location in the header which must be extracted and posted to once again.

(If you are calling the URL using Internet Explorer, then this redirect is not apparent as the browser silently handles the redirect for you. Similarly the PERL script also handles the redirect so an XML response Is provided)

An example would be:

The HTTPS request would be:
==========

[1] PERL was chosen as it is available on both UNIX and NT platforms and the script will be platform independent.

GET /bbtcr/xml.jsp?rox_name=Release%2b2%2fXML%2fOrder%2bDelta%2bGM%2bDates%2b
XML.rox&delta_parm=%26pDeltaFromDate%3d15%2f06%2f2004%2b-
00%3a00%3a00%26pDeltaToDate%3d16%2f06%2f2004%2b-00%3a00%3a00&userID=xxxxxx&password
=xxxxx HTTP/1.0
Host: www.wcr.bt.com
Accept-Encoding: gzip, deflate
Accept: */*
User-Agent: Mozilla/4.0 (compatible; MSIE 5.0; SP1; SunOS 5.8 sun4u; X11)
Accept-Language: en-us
==========

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The HTTPS response would be: "HTTP/1.1 302 Moved Temporarily" And this is a portion of the header of the response:
==========
Content-Type: text/html; charset=utf-8
Date: Wed, 16 Jul 2004 13:19:08 GMT
Location:
https://*www.wcr.bt.com*/bbtcr/newrequest/do_executexml.jsp;*JSESSIONID_BBCR*=IrA0SLg1MemTFMCUEV12AvGp3zvOHLdNJ6j
0LfzNvjUv1Qz2CKt0!979652144!453076213?__executableName=/Broadband+Customer+Reports/Release+2/XML/Order+Delta+
GM+Dates+XML.rox&pDeltaFromDate=15/06/2004+-00:00:00&pDeltaToDate=16/06/2004+-
00:00:00&ServerURL=http://reportserver.nat.bt.com:8000&volume=Broadband
Server: Apache/2.0.63 (Unix) mod_ssl/2.0.63 OpenSSL/0.9.8g

==========

The "Location" is the redirected URL that needs to be requested, and this will return the correct XML report, as required.

Order & Fault “Delta” Report Design

The data provided in the XML data set is the same data available via the Web Reports and show all available[2] data for Orders and Faults.

The only differences to the web reports are:

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[2] It must be noted that data for orders and faults will be available for 13 weeks. That is to say all open, live orders will be shown, and only closed/cancelled orders that have been closed of cancelled for 13 weeks will be removed. Similarly all open faults will be shown and once closed they remain on the reports for 13 weeks and then will be removed.

- The data returned as XML is “Delta”, that is to say when these reports are requested they return all data on all faults or orders that have “changed” **between the specified Start Date and End Date** parameter s passed with the request. By “changed” we mean if any of the key status fields has changed since the date/time parameter passed with the request, this is explained below.
- There is a translation of characters where they are not permissible according to the WC3 Consortium standards (see below).
- There is no formatting.

The DTDs for the reports are given in a later section of the user guide.

Lost Migration Report Report Design

The data provided in the XML data set is the same data available via the Web Reports and shows all available data pertaining to this type of order. These orders are not included in the order delta report and the report is not ‘delta’ but a snapshot of the latest status when the report was run. The orders remain on the report for 13 weeks after closure. This report displays details of End Users who are subject to a migration to another SP.

The DTDs for this report are given in a later section of the user guide

Key Status Fields Used

Both Order and Fault Delta reports return data which has changed since a given date. This allows the user to, for example, see all the Order records held on the system which have had a *status change* since DD/MM/YYYY HH:MM:SS[3].

We define the term status change as follows: An Order or Fault is defined as having had a status change when one of the following columns is updated:

Orders:

- Billing Account
- Cancelled Date
- Cancelled Reason
- Cease Type

[3] A new column ‘ETLUpdateDate’ has been added which is a timestamp for the last time a record has had a trigger column updated

- Committed Delivery Date
- Completion Date
- Created Date
- CSAC
- Customer
- Customer Agreed Date
- Customer Appointment Date
- Customer Appointment Slot
- Customer Enquiry Date
- Customer Notes
- Customer Reference
- Customer Required Date
- Delay Category
- Delay Reason
- Delay Status
- Domain Name 1
- Domain Name 2
- Domain Name 3
- Domain Name 4
- Domain Name 5
- eCo Order Number
- End User Contact Number
- Exchange Code
- Exchange Name
- End User First Name
- End User Last Name
- Post Code
- End User Post Town
- End User Premises
- End User Thorough Fare Name
- End User Thorough Fare Number
- Line Item Sub Status
- Line Test
- Network Availability Date

- Network ID
- Order Matching Ref
- Order Status
- Order Type
- Original Delivery Date
- Product
- Reason for Change of Date
- Received Date
- Review Date
- Service ID
- Service Level
- Telephone Number
- Time Delay Requested
- Progress Date
- Provide Type
- Provision On Cease
- VCI
- VCI Boot
- VCI Control
- VCI Video
- VPI
- VPI Video
- VPI Bootcontrol
- XML Batch Number

Faults:

- Fault Status
- Network ID
- Service Level
- Service ID
- Product
- Customer ID
- Tel No

- EU First/Last Name
- Cust Ref
- Exchange Name
- Cust Notes
- Repeat ELF count
- Fault With
- Fault Action
- Fault Reason
- Fault Clear
- Fault Detail

XML – Escape Characters

According to the W3 consortium[4], by default, certain characters need to be escaped. Specifically these are " < " (less than), " > " (greater than)," ' " (apostrophe), " & " (ampersand) and " " " (double-quote character a.k.a. 'speech marks').

The mappings for replacement characters are listed below:

Character	…Replace With
<	<
>	>
"	"
'	'
&	&
(newline)

Table 1: Escape character mappings

XML – Charset

In accordance with W3C standards, all XML documents will be output using the UTF-8 charset (see http://www.utf-8.com/).

[4] See for example http://www.w3.org/TR/1998/REC-xml-19980210#wf-entities. Also: http://tech.irt.org/articles/js212/.

MSO Fault XML

The purpose of the MSO Fault XML report is to allow the user to perform a “one-shot” check to see if a given CBUK, Telephone number or Service Id is currently impacted by a known MSO. The data returned is the same as the data in the current “MSO Fault Search” report available on the web.
The report itself can be instigated using either the telephone number (DN), the network ID (CBUK no.) or the service id. The check is done in real time, to see if the reporting service is impacted by a known MSO.

For a positive result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
 <Report Title="MSO Fault Search XML">
        <DataRow Record="MSO 1">
                <Reference>BB1234</Reference>
                <RaiseDate>14/02/2003 09:59:18</RaiseDate>
                <ExchangeName>manchester altringham</ExchangeName>
                <ClearDate>14/02/2003 10:20:53</ClearDate>
                 <ClearReason></ClearReason>
                <ServiceId>BBIP12345678</ServiceId>
                <CaseId />
                <ServiceProvider>Openworld</ServiceProvider>
                <CBUK>CBUK12345678</CBUK>
                <DetectedDate>14/02/2003 10:20:33</DetectedDate>
         </DataRow>
 </Report>
```

Figure 4: Positive Result Example

In the rare instance of a multiple MSO (where more than one known MSO is impacting a given service), the following is typically returned:

```
<?xml version="1.0" encoding="utf-8" ?>
 <Report Title="MSO Fault Search XML">
        <DataRow Record="MSO 1">
                <Reference>BB1234</Reference>
                <RaiseDate>14/02/2003 09:59:18</RaiseDate>
```

```
                <ExchangeName>manchester altringham</ExchangeName>
                <ClearDate>14/02/2003 10:20:53</ClearDate>
               <ClearReason></ClearReason>
                <ServiceId>BBIP12345678</ServiceId>
                <CaseId />
                <ServiceProvider>Openworld</ServiceProvider>
                <CBUK>CBUK12345678</CBUK>
              <DetectedDate>14/02/2003 10:20:33</DetectedDate>
        </DataRow>
        <DataRow Record="MSO 2">
                <Reference>BB1235</Reference>
                <RaiseDate>14/02/2003 10:20:18</RaiseDate>
                <ExchangeName>manchester altringham</ExchangeName>
                <ClearDate>14/02/2003 11:20:53</ClearDate>
               <ClearReason></ClearReason>
                <ServiceId>BBIP12345678</ServiceId>
                <CaseId />
                <ServiceProvider>Openworld</ServiceProvider>
                <CBUK>CBUK12345678</CBUK>
              <DetectedDate>14/02/2003 10:20:33</DetectedDate>
        </DataRow>
 </Report>
```

Figure 5: Multiple MSO Positive Result Example

Network ID is masked for 21CN/wBC Services. i.e. For WBC/21 CN Circuits, the following is returned :

```
<?xml version="1.0" encoding="utf-8" ?>
 <Report Title="MSO Fault Search XML">
        <DataRow Record="MSO 1">
                <Reference>BB1234</Reference>
                <RaiseDate>14/02/2003 09:59:18</RaiseDate>
                <ExchangeName>manchester altringham</ExchangeName>
               <ClearDate>14/02/2003 10:20:53</ClearDate>
                <ClearReason></ClearReason>
```

```
                <ServiceId>BBIP12345678</ServiceId>
                <CaseId />
                <ServiceProvider>Openworld</ServiceProvider>
                <DetectedDate>14/02/2003 10:20:33</DetectedDate>
        </DataRow>
</Report>
```

If a negative result is encountered, i.e. there is no known MSO impacting the service, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="MSO Fault Search XML">
    <DataRow>
            <ErrorCode>996</ErrorCode>
            <ErrorMessage>No Data Found</ErrorMessage>
    </DataRow>
</Report>
```

Figure 6: Negative Result Example

NB: MSO data is available via Actuate up to 48 hours once the outage has been cleared.

Service Activity Notice XML

The purpose of the Service Activity XML report is to allow the user to perform a “one-shot” check to see if a given Network ID (CBUK), Telephone Number or Service Id is currently impacted by a known Major Service Outage (MSO), Planned Engineering Work (PEW) or Emergency Maintenance Undertaking (EMU). The data returned is the same as the data in the current “Service Activity Notice Search” report available on the web.

The report itself can be instigated using either the telephone number (DN), the network ID (CBUK no.) or the service id. The check is done in real time and the system searches the IVOR database to see if the reporting service is impacted by a known MSO, PEW or EMU.

Please note: it can take up to 48 hours after the initial PEW notification for the affected circuit information to appear on BBCR.

For a positive result, the following is returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Service Activity Notice XML">
	<MSO>
		<DataRow Record="MSO 1">
			<MSONumber>BB18605</MSONumber>
			<RaiseDate>17/06/2003 22:01:02</RaiseDate>
			<ExchangeName>cupar lodge</ExchangeName>
			<ClearDate>18/06/2003 00:11:46</ClearDate>
			<ClearReason> ## clear notes by Paul Brown on 18/06/2003 00:11:46 </ClearReason>
			<ServiceId>BBIP10274605</ServiceId>
			<CaseId>012345</CaseId>
			<ServiceProvider>BT Retail</ServiceProvider>
			<NetworkID>CBUK10274747</NetworkID>
			<DetectedDate>14/02/2003 10:20:33</DetectedDate>
		</DataRow>
	</MSO>
	<PEW>
		<DataRow Record="PEW 1">
			<PEWNumber>0131851</PEWNumber>
			<StartDate>01/07/2003 02:00:00</StartDate>
			<FinishDate>01/07/2003 06:00:00</FinishDate>
			<Outage>04:00</Outage>
			<EngineerNotes>This is day 1 of PEW 013185 to upgrade Fuji FDX RMI.</EngineerNotes>
			<EndUserImpact>Network software upgrade. Service outages for 10 minutes.</EndUserImpact>
		</DataRow>
	</PEW>
	<EMU>
		<DataRow Record="EMU 1">
			<StartDate>17/06/2003 21:34:34</StartDate>
			<ClearDate>17/06/2003 21:36:43</ClearDate>
			<OutageTime>00:02</OutageTime>
			<Message>(NSC) No Syncronisation</Message>
			<EMUNumber>746</EMUNumber>
		</DataRow>
```

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```
        </EMU>
</Report>
```

Network ID is masked for 21CN/wBC Services. i.e. For WBC/21 CN Circuits, the following is returned :

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Service Activity Notice XML">
        <MSO>
                <DataRow Record="MSO 1">
                        <MSONumber>BB18605</MSONumber>
                        <RaiseDate>17/06/2003 22:01:02</RaiseDate>
                        <ExchangeName>cupar lodge</ExchangeName>
                        <ClearDate>18/06/2003 00:11:46</ClearDate>
                        <ClearReason> ## clear notes by Paul Brown on 18/06/2003 00:11:46 </ClearReason>
                        <ServiceId>BBIP10274605</ServiceId>
                        <CaseId>012345</CaseId>
                        <ServiceProvider>BT Retail</ServiceProvider>
                        <DetectedDate>14/02/2003 10:20:33</DetectedDate>
                </DataRow>
        </MSO>
        <PEW>
                <DataRow Record="PEW 1">
                        <PEWNumber>0131851</PEWNumber>
                        <StartDate>01/07/2003 02:00:00</StartDate>
                        <FinishDate>01/07/2003 06:00:00</FinishDate>
                        <Outage>04:00</Outage>
                        <EndUserImpact>Network software upgrade. Service outages for 10 minutes.</EndUserImpact>
                        <EngineerNotes>This is day 1 of PEW 013185 to upgrade Fuji FDX RMI.</EngineerNotes>
                </DataRow>
        </PEW>
        <EMU>
                <DataRow Record="EMU 1">
                        <StartDate>17/06/2003 21:34:34</StartDate>
                        <ClearDate>17/06/2003 21:36:43</ClearDate>
                        <OutageTime>00:02</OutageTime>
                        <Message>(NSC) No Syncronisation</Message>
```

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```
                    <EMUNumber>746</EMUNumber>
                </DataRow>
        </EMU>
</Report>
```

If a negative result is encountered, i.e. there is no known MSO, PEW or EMU impacting the service, the following is returned:

```
<?xml version="1.0"?>
<Report Title="Service Activity Notice XML">
        <MSO>
                <DataRow>
                        <ErrorCode>996</ErrorCode>
                        <ErrorMessage>No Data Found</ErrorMessage>
                </DataRow>
        </MSO>
        <PEW>
                <DataRow>
                        <ErrorCode>996</ErrorCode>
                        <ErrorMessage>No Data Found</ErrorMessage>
                </DataRow>
        </PEW>
        <EMU>
                <DataRow>
                        <ErrorCode>996</ErrorCode>
                        <ErrorMessage>No Data Found</ErrorMessage>
                </DataRow>
        </EMU>
</Report>
```

MSO By Reference XML

The purpose of the MSO By Reference XML report is to allow the user to perform a check to return the details of a given MSO Reference Number

The report itself can be instigated using the MSO Reference Number (refno), and the ShowCircuits (TRUE/FALSE) parameter. If ShowCircuits is TRUE all circuit data is returned, which could potentially be thousands of records.The check is done in real time and the system searches the database to see if the reporting service is impacted by a known MSO.

For a positive result, the following is returned:

```
<Report Title="MSO Fault Search XML By Reference">
   <DataRow>
      <Reference>7221</Reference>
      <RaiseDate>30/03/2004 04:39:00</RaiseDate>
      <ExchangeName>caerphilly</ExchangeName>
      <ClearDate>30/03/2004 04:40:00</ClearDate>
      <ClearReason>Coldstart</ClearReason>
      <ServiceProvider>BT Retail</ServiceProvider>
      <NumCircuitsAffected>2</NumCircuitsAffected>
      <DetectedDate>30/03/2004 05:02:01</DetectedDate>
   </DataRow>
   <CircuitsAffected>
      <DataRow>
         <Record>1</Record>
         <CBUK>CBUK10799902</CBUK>
         <ServiceId>BBIP10797486 </ServiceId>
         <CaseId></CaseId>
      </DataRow>
      <DataRow>
         <Record>2</Record>
         <CBUK>CBUK11032525</CBUK>
         <ServiceId>BBIP11029102 </ServiceId>
         <CaseId></CaseId>
      </DataRow>
   </CircuitsAffected>
</Report>
```

Network ID is masked for 21CN/wBC Services. i.e. For WBC/21 CN Circuits, the following is returned :

```
<Report Title="MSO Fault Search XML By Reference">
   <DataRow>
      <Reference>7221</Reference>
      <RaiseDate>30/03/2004 04:39:00</RaiseDate>
      <ExchangeName>caerphilly</ExchangeName>
      <ClearDate>30/03/2004 04:40:00</ClearDate>
      <ClearReason>Coldstart</ClearReason>
      <ServiceProvider>BT Retail</ServiceProvider>
      <NumCircuitsAffected>2</NumCircuitsAffected>
      <DetectedDate>30/03/2004 05:02:01</DetectedDate>
   </DataRow>
   <CircuitsAffected>
      <DataRow>
         <Record>1</Record>
         <ServiceId>BBIP10797486 </ServiceId>
         <CaseId></CaseId>
      </DataRow>
      <DataRow>
         <Record>2</Record>
         <ServiceId>BBIP11029102 </ServiceId>
         <CaseId></CaseId>
      </DataRow>
   </CircuitsAffected>
</Report>
```

If a negative result is encountered, i.e. there is no known MSO, the following is returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="MSO Fault Search XML By Reference">
   <DataRow>
      <ErrorCode>996</ErrorCode>
      <ErrorMessage>No Data Found</ErrorMessage>
   </DataRow>
   <CircuitsAffected>
      <DataRow>
```

```
        <ErrorCode>996</ErrorCode>
        <ErrorMessage>No Data Found</ErrorMessage>
      </DataRow>
   </CircuitsAffected>
</Report>
```

Max Product Reports

Line Rate Synchronisation XML

For a positive result, the following is returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Line Rate Synchronisation XML">
   <DataRow>
          <ServiceID>BBDS1234568</ServiceID>
          <NetworkID>CBUK1458569</NetworkID>
          <Product> Datastream Home  Max </Product>
          <MaximumStableRate>3200</ MaximumStableRate >
          <FaultThresholdRate>2048</ FaultThresholdRate >
          <MaxStableRateResetStatus>C</MaxStableRateResetStatus>
          <LineRateTimestamp>20/12/2005 18:00:00</LineRateTimestamp>
          <BIPUpdateTime>20/12/2005 18:00:00</BIPUpdateTime>
          <MaxDownstreamLineSpeedRequested>8M</ MaxDownstreamLineSpeedRequested >
          <MaxUpstreamLineSpeedRequested>448K</ MaxUpstreamLineSpeedRequested >
      </DataRow>
</Report>
```

Network ID is masked for 21CN/wBC Services. Also, MaximumStableRate is renamed as DownstreamMaximumStableRate and FaultThresholdRate is renamed as DownstreamFaultThresholdRate .Two additional attributes are displayed for 21 CN User – UpstreamMaximumStableRate and UpstreamFaultThresholdRate i.e. For a 21 CN User, following will be returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Line Rate Synchronisation XML">
   <DataRow>
          <ServiceID>BBEU1234568</ServiceID>
```

```
            <NetworkID />
            <Product> Datastream Home  Max </Product>
            <DownstreamMaximumStableRate>3200</ DownstreamMaximumStableRate >
            <DownstreamFaultThresholdRate>2048</DownstreamFaultThresholdRate>
            <MaxStableRateResetStatus>C</MaxStableRateResetStatus>
            <LineRateTimestamp>20/12/2005 18:00:00</LineRateTimestamp>
            <BIPUpdateTime>20/12/2005 18:00:00</BIPUpdateTime>
            <MaxDownstreamLineSpeedRequested>8M</ MaxDownstreamLineSpeedRequested >
            <MaxUpstreamLineSpeedRequested>448K</ MaxUpstreamLineSpeedRequested >
            <UpstreamMaximumStableRate>3200</ UpstreamMaximumStableRate >
            <UpstreamFaultThresholdRate>2048</ UpstreamFaultThresholdRate >
        </DataRow>
</Report>
```

For a negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Line Rate Synchronisation XML">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
</Report>
```

Line Rate Change Delta XML

For a positive result, the following is returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Line Rate Change Delta XML">
   <DataRow>
            <ServiceID>BBDS1234568</ServiceID>
            <NetworkID>CBUK1458569</NetworkID>
            <Product> Datastream Home  Max</Product>
            <UpstreamLineRate>3200</UpstreamLineRate>
            <HeadlineRate-DownstreamLineRate>2048</HeadlineRate-DownstreamLineRate>
```

```
            <LineRateTimestamp>20/12/2005 18:00:00</LineRateTimestamp>
            <Interleaved>I</Interleaved>
            <AdvancedServiceIndicator>Y</AdvancedServiceIndicator>
            <BIPUpdateTime>20/12/2005 18:00:00</BIPUpdateTime>
             <SyncRate>2345</SyncRate>
             <SyncTimestamp>02/02/2007 18:00:00</SyncTimestamp>
             <BRASProfileName>adsl1234</BRASProfileName>
             <AccessTechnology>FTTP</AccessTechnology>
   </DataRow>
</Report>
```

Network ID is masked for 21CN/wBC Services. i.e. For a 21 CN User, following will be returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Line Rate Change Delta XML">
   <DataRow>
            <ServiceID>BBEU1234568</ServiceID>
            <NetworkID />
            <Product> Datastream Home  Max</Product>
            <UpstreamLineRate>3200</UpstreamLineRate>
            <HeadlineRate-DownstreamLineRate>2048</HeadlineRate-DownstreamLineRate>
            <LineRateTimestamp>20/12/2005 18:00:00</LineRateTimestamp>
            <Interleaved>I</Interleaved>
            <AdvancedServiceIndicator>Y</AdvancedServiceIndicator>
            <BIPUpdateTime>20/12/2005 18:00:00</BIPUpdateTime>
             <SyncRate>2345</SyncRate>
             <SyncTimestamp>02/02/2007 18:00:00</SyncTimestamp>
             <BRASProfileName>adsl1234</BRASProfileName>
             <AccessTechnology>FTTP</AccessTechnology>
   </DataRow>
</Report>
```

For a negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<Report Title="Line Rate Change Delta XML">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
</Report>
```

If Hour value entered is greater than 24 or less than equal to 0 then the following will be displayed.

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Line Rate Change Delta XML">
        <DataRow>
                <ErrorCode>992</ErrorCode>
                <ErrorMessage>Hour Range Exceeds Limit</ErrorMessage>
        </DataRow>
</Report>
```

Service Profile XML

For a positive result, the following is returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Service Profile XML">
   <DataRow>
           <ServiceID>BBDS1234568</ServiceID>
           <NetworkID>CBUK1458569</NetworkID>
           <Product> Datastream Home  Max </Product>
           <NoiseMarginReSet>Y</NoiseMarginReSet>
           <RunMode>Fast</RunMode>
           <RunModeChanged>Y</RunModeChanged>
           <ProfileChangeTime>20/12/2005 18:00:00</ProfileChangeTime>
           <Interleaved>A</Interleaved>
           <BIPUpdateTime>20/12/2005 18:00:00</BIPUpdateTime>
          <StabilityOption-ServiceOption>1</ StabilityOption-ServiceOption>
   </DataRow>
</Report>
```

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Network ID is masked for 21CN/wBC Services. i.e. For a 21 CN User, following will be returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Service Profile XML">
   <DataRow>
          <ServiceID>BBEU1234568</ServiceID>
          <NetworkID />
          <Product> Datastream Home  Max </Product>
          <NoiseMarginReSet>Y</NoiseMarginReSet>
          <RunMode>Fast</RunMode>
          <RunModeChanged>Y</RunModeChanged>
          <ProfileChangeTime>20/12/2005 18:00:00</ProfileChangeTime>
          <Interleaved>A</Interleaved>
          <BIPUpdateTime>20/12/2005 18:00:00</BIPUpdateTime>
          <StabilityOption-ServiceOption>1</ StabilityOption-ServiceOption>
   </DataRow>
</Report>
```

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For a negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Service Profile XML">
       <DataRow>
              <ErrorCode>996</ErrorCode>
              <ErrorMessage>No Data Found</ErrorMessage>
       </DataRow>
</Report>
```

Max End User Summary XML

For a positive result, the following is returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Max End User Summary XML">
```

```
        <DataRow>
                <ServiceID>BBIP1111112</ServiceID>
                 <NetworkID>CBUK11111</NetworkID>
                <Product>BT IPstream Office MAX 888</Product>
                <UpstreamLineRate>-</UpstreamLineRate>
                <HeadlineRate-DownstreamLineRate>2000</HeadlineRate-DownstreamLineRate>
                <MaximumStableRate>7000</MaximumStableRate>
                <FaultThresholdRate>5000</FaultThresholdRate>
                <NoiseMarginReset>Y</NoiseMarginReset>
                <RunMode>Fast</RunMode>
                <Interleaved>Opt In</Interleaved>
                <BIPUpdateTime>25/04/2006 09:30:40</BIPUpdateTime>
                  <SyncRate>2345</SyncRate>
                  <SyncTimestamp>02/02/2007 18:00:00</SyncTimestamp>
                  <BRASProfileName>adsl1234</BRASProfileName>
                  <StabilityOption-ServiceOption>2</StabilityOption-ServiceOption>
                  <TrafficWeighting>Elevated </TrafficWeighting >
                  <TechnologyType>ADSL2+</TechnologyType>
                  <MaxDownstreamLineSpeedRequested>8M</MaxDownstreamLineSpeedRequested>
                  <MaxUpstreamLineSpeedRequested>448K</MaxUpstreamLineSpeedRequested>
        </DataRow>
</Report>
```

The XML is functionally modified so that whenever an User queries for a WBC Service, the additional attributes for WBC ADSL2+ Profiles will be made visible to the User. Network ID is also be masked for a 21 CN User. Also, MaximumStableRate is renamed as DownstreamMaximumStableRate and FaultThresholdRate is renamed as DownstreamFaultThresholdRate .Two additional attributes are displayed for 21 CN User – UpstreamMaximumStableRate and UpstreamFaultThresholdRate.The XML for a 21 CN User will look like:

For a positive result, the following is returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Max End User Summary XML">
        <DataRow>
                <ServiceID>BBEU1111112</ServiceID>
                 <NetworkID  />
                <Product>WBC End User Access (EUA)</Product>
```

<UpstreamLineRate>-</UpstreamLineRate>
<HeadlineRate-DownstreamLineRate>2000</HeadlineRate-DownstreamLineRate>
<DownstreamMaximumStableRate>7000</ DownstreamMaximumStableRate>
<DownstreamFaultThresholdRate>5000</ DownstreamFaultThresholdRate >
<Interleaved>Opt In</Interleaved>
<DownstreamMinLineRate>160 </ DownstreamMinLineRate>
<DownstreamMinLineRateChange>Y</DownstreamMinLineRateChange>
<DownstreamMaxLineRate>24384</DownstreamMaxLineRate>
<DownstreamMaxLineRateChange>Y</DownstreamMaxLineRateChange >
<DownstreamTargetMargin>1</DownstreamTargetMargin>
<DownstreamTargetMarginChange>Y</DownstreamTargetMarginChange>
<DowsntreamInterleaveMode>Fast</DowsntreamInterleaveMode>
<DownstreamInterleaveModeChange>Y</DownstreamInterleaveModeChange>
<DownstreamMinINP>0</DownstreamMinINP>
<DownstreamMinINPChange>Y</DownstreamMinINPChange>
<DownstreamMaxDelay>200</DownstreamMaxDelay>
<DownstreamMaxDelayChange>Y</DownstreamMaxDelayChange>
<UpstreamMinLineRate>32</UpstreamMinLineRate>
<UpstreamMinLineRateChange>Y</UpstreamMinLineRateChange>
<UpstreamMaxLineRate>832</UpstreamMaxLineRate>
<UpstreamMaxLineRateChange>Y</UpstreamMaxLineRateChange>
<UpstreamTargetMargin>3</UpstreamTargetMargin>
<UpstreamTargetMarginChange>N</UpstreamTargetMarginChange>
<UpstreamInterleaveMode>Fast</UpstreamInterleaveMode>
<UpstreamInterleaveModeChange>Y</UpstreamInterleaveModeChange>
<UpstreamMinINP>0</UpstreamMinINP>
<UpstreamMinINPChange>Y</UpstreamMinINPChange>
<UpstreamMaxDelay>200</UpstreamMaxDelay>
<UpstreamMaxDelayChange>N</UpstreamMaxDelayChange>
<AccessTechnology>ADSL</AccessTechnology>
<AccessTechnologyChange>Y</AccessTechnologyChange>
<BIPUpdateTime>25/04/2006 09:30:40</BIPUpdateTime>
<SyncRate>2345</SyncRate>
<SyncTimestamp>02/02/2007 18:00:00</SyncTimestamp>
<BRASProfileName>adsl1234</BRASProfileName>
<StabilityOption-ServiceOption>Stable</StabilityOption-ServiceOption>

```
                <TrafficWeighting>Standard</TrafficWeighting >
                 <TechnologyType>ADSL2+</TechnologyType>
                 <MaxDownstreamLineSpeedRequested>8M</MaxDownstreamLineSpeedRequested>
                 <MaxUpstreamLineSpeedRequested>448K</MaxUpstreamLineSpeedRequested>
                 <UpstreamMaximumStableRate>3200</ UpstreamMaximumStableRate >
                 <UpstreamFaultThresholdRate>2048</ UpstreamFaultThresholdRate >
        </DataRow>
</Report>
```

For a negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Max End User Summary XML">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
</Report>
```

If the date entered is future date or not within 14 days from today’s date then the following will be displayed.

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Max End User Summary XML">
        <DataRow>
                <ErrorCode>994</ErrorCode>
                <ErrorMessage>Date Range Exceeds Limit</ErrorMessage>
        </DataRow>
</Report>
```

If more than one paramater is entered or both the parameters is null.

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Max End User Summary XML">
        <DataRow>
                <ErrorCode>991</ErrorCode>
```

```
                <ErrorMessage>Invalid Number of Parameters</ErrorMessage>
        </DataRow>
</Report>
```

DSL Max Capped Circuit XML

For a positive result , the following is returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="DSL Max Capped Circuit XML">
   <DataRow>
           <ServiceID> BBIP16526949</ServiceID>
           <NetworkID> CBUK16570974</NetworkID>
           <CappedReason>AUTO</CappedReason>
           <HeadlineRate-DownstreamLineRate>2848</HeadlineRate-DownstreamLineRate>
            <ProfileUpdateTimeStamp>25-DEC-05</ProfileUpdateTimeStamp>
           <BIPUpdateTime>26-OCT-06 10.52.27.862371 PM</BIPUpdateTime>
   </DataRow>
</Report>
```

Network ID is masked for 21CN/wBC Services. i.e. For a 21 CN User, following will be returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="DSL Max Capped Circuit XML">
   <DataRow>
           <ServiceID> BBEU16526949</ServiceID>
           <NetworkID />
           <CappedReason>AUTO</CappedReason>
           <HeadlineRate-DownstreamLineRate>2848</HeadlineRate-DownstreamLineRate>
            <ProfileUpdateTimeStamp>25-DEC-05</ProfileUpdateTimeStamp>
           <BIPUpdateTime>26-OCT-06 10.52.27.862371 PM</BIPUpdateTime>
   </DataRow>
</Report>
```

For a negative result(i.e. if there is no data in the specified date range) then the following will be displayed

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="DSL Max Capped Circuit XML">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
</Report>
```

If the date entered is future date or not within 14 days from today's date then the following will be displayed.

```
 <?xml version="1.0" encoding="utf-8" ?>
<Report Title="DSL Max Capped Circuit XML">
  <DataRow>
      <ErrorCode>994</ErrorCode>
      <ErrorMessage>Date Range Exceeds Limit</ErrorMessage>
   </DataRow>
</Report>
```

DSL Max Service Option XML

For a positive result, the following is returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="DSL Max Service Option XML">
        <DataRow>
                <ServiceID>BBIP11111132</ServiceID>
                 <NetworkID>CBUK12345679</NetworkID>
                <StabilityOption-ServiceOption>3</StabilityOption-ServiceOption>
                <ServiceOptionStatus>Line stability change in progress</ServiceOptionStatus>
                <ServiceOptionUpdateTimestamp>10/10/2007 18:00:00</ServiceOptionUpdateTimestamp>
                <MaximumStableRate>7000</MaximumStableRate>
                <FaultThresholdRate>2345</FaultThresholdRate>
                <RunMode>Fast</RunMode>
                <Interleaved>Opt In</Interleaved>
                <TrafficWeighting>Elevated</TrafficWeighting>
```

```
                <TechnologyType>ADSL2+</TechnologyType>
        </DataRow>
</Report>
```

Network ID is masked for 21 CN/wBC Services. *Also, MaximumStableRate is renamed as DownstreamMaximumStableRate and FaultThresholdRate is renamed as DownstreamFaultThresholdRate .Two additional attributes are displayed for 21 CN User – UpstreamMaximumStableRate and UpstreamFaultThresholdRate* i.e. For a 21 CN User the folloing will be returned:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="DSL Max Service Option XML">
        <DataRow>
                <ServiceID>BBEU1111132</ServiceID>
                 <NetworkID />
                <StabilityOption-ServiceOption>3</StabilityOption-ServiceOption>
                <ServiceOptionStatus>Line stability change in progress</ServiceOptionStatus>
                <ServiceOptionUpdateTimestamp>10/10/2007 18:00:00</ServiceOptionUpdateTimestamp>
                <DownstreamMaximumStableRate>7000</DownstreamMaximumStableRate >
                <DownstreamFaultThresholdRate>2345</DownstreamFaultThresholdRate>
                <RunMode>Fast</RunMode>
                <Interleaved>Opt In</Interleaved>
                <TrafficWeighting>Elevated</TrafficWeighting>
                <TechnologyType>ADSL2+</TechnologyType>
                <UpstreamMaximumStableRate>3200</ UpstreamMaximumStableRate >
                <UpstreamFaultThresholdRate>2048</ UpstreamFaultThresholdRate >
        </DataRow>
</Report>
```

For a negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="DSL Max Service Option XML">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
```

```
        </DataRow>
</Report>
```

Advanced Services XML's

Session Request Per SP XML:
The purpose of Session Request Per SP XML report is to allow the user to perform a search based on Batch Date. The data returned is the same as the data in the current Session Request Per SP report available on the web.

For a positive result, the following is returned:

```
 <?xml version="1.0" encoding="utf-8" ?>
<Report Title="Session Request Per SP XML">
   <DataRow>
      <SequenceNumber>1</SequenceNumber>
      <BatchDate>05-MAY-06</BatchDate>
      <TransactionID>1</TransactionID>
      <RequestType>tyty</RequestType>
      <ProductServiceID>bbip90800</ProductServiceID>
      <NetworkID>cbuk897879</NetworkID>
      <ServiceProvider>O/M57089700</ServiceProvider>
      <ActionDate>08-MAY-06</ActionDate>
      <SuccessCode>UOUIO</SuccessCode>
      <ReasonCode>IOUIU</ReasonCode>
      <ReasonDescription>OI</ReasonDescription>
      <ProductName>IOUIOU</ProductName>
      <VPPSID>BJ</VPPSID>
      <PolicyRequested>JHJ</PolicyRequested>
      <PolicyRemoved>JGYYFGYF</PolicyRemoved>
      <PolicyApplied>HO</PolicyApplied>
      <StartTimeRequested>5/2/2006</StartTimeRequested>
      <EndTimeAnticipated>5/3/2006</EndTimeAnticipated>
      <StartTimeActual>5/2/2006</StartTimeActual>
      <EndTimeActual>5/3/2006</EndTimeActual>
```

```
        <ExchangeName>WOLVERHAMPTON</ExchangeName>
     </DataRow>
  </Report>
```

Network ID is masked for 21 CN/wBC Services i.e. For a 21 CN User the following will be returned:

```
<Report Title="Session Request Per SP XML">
    <DataRow>
        <SequenceNumber>1</SequenceNumber>
        <BatchDate>05-MAY-06</BatchDate>
        <TransactionID>1</TransactionID>
        <RequestType>tyty</RequestType>
        <ProductServiceID>bbip90800</ProductServiceID>
        <NetworkID />
        <ServiceProvider>O/M57089700</ServiceProvider>
        <ActionDate>08-MAY-06</ActionDate>
        <SuccessCode>UOUIO</SuccessCode>
        <ReasonCode>IOUIU</ReasonCode>
        <ReasonDescription>OI</ReasonDescription>
        <ProductName>IOUIOU</ProductName>
        <VPPSID>BJ</VPPSID>
        <PolicyRequested>JHJ</PolicyRequested>
        <PolicyRemoved>JGYYFGYF</PolicyRemoved>
        <PolicyApplied>HO</PolicyApplied>
        <StartTimeRequested>5/2/2006</StartTimeRequested>
        <EndTimeAnticipated>5/3/2006</EndTimeAnticipated>
        <StartTimeActual>5/2/2006</StartTimeActual>
        <EndTimeActual>5/3/2006</EndTimeActual>
        <ExchangeName>WOLVERHAMPTON</ExchangeName>
    </DataRow>
  </Report>
```

If a negative result is encountered, i.e. there is no date impacting the service, the following is returned:

```
  <?xml version="1.0" encoding="utf-8" ?>
```

```
<Report Title="Session Request Per SP XML">
  <DataRow>
    <ErrorCode>996</ErrorCode>
    <ErrorMessage>No Data Found</ErrorMessage>
  </DataRow>
</Report>
```

If the date entered is not within 10 days from today's date or future date, the following is returned.

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title=" Session Request Per SP XML ">
  <DataRow>
    <ErrorCode>997</ErrorCode>
    <ErrorMessage>Date Entered out of Range</ErrorMessage>
  </DataRow>
</Report>
```

If the start date entered greater than or equal to end date,the following is returned.

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title=" Session Request Per SP XML ">
  <DataRow>
    <ErrorCode>995</ErrorCode>
    <ErrorMessage>Date Mismatch</ErrorMessage>
  </DataRow>
</Report>
```

If the difference between the two date parameter is more than 1day,the following is returned.

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Session Request Per SP XML">
  <DataRow>
    <ErrorCode>994</ErrorCode>
    <ErrorMessage>Date Range Exceeds Limit</ErrorMessage>
  </DataRow>
```

```
</Report>
```

If any of the date parameters are blank,the following is returned.

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title=" Session Request Per SP XML ">
  <DataRow>
    <ErrorCode>993</ErrorCode>
    <ErrorMessage>Insufficient Parameters</ErrorMessage>
  </DataRow>
</Report>
```

Billing Transaction XML

The purpose of Billing Transaction XML report is to allow the user to perform a search based on Action date. The data returned is the same as the data in the current “Service Activity Notice Search” report available on the web.

For a positive result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Billing Transaction XML">
  <DataRow>
    <ServiceProviderID>O/M57089700</ServiceProviderID>
    <TrasactionID>siud347645</TrasactionID>
    <ServiceID>cbuk426894</ServiceID>
    <ActionDate>08-MAY-06</ActionDate>
    <Duration>dstkj5e</Duration>
    <PolicyRequested>eruty4567</PolicyRequested>
    <StartTimeRequested>01/05/2006</StartTimeRequested>
    <EndTimeAnticipated>30/05/2006</EndTimeAnticipated>
    <StartTimeActual>03/05/2006</StartTimeActual>
    <EndTimeActual>04/07/2006</EndTimeActual>
    <RequestType>qwdjrhym</RequestType>
    <ReasonCode>3487</ReasonCode>
    <SessionIdentifier>dstug45w</SessionIdentifier>
```

```
    </DataRow>
  </Report>
```

If a negative result is encountered, i.e. there is no date impacting the service, the following is returned:

```
  <?xml version="1.0" encoding="utf-8" ?>
 <Report Title="Billing Transaction XML">
   <DataRow>
       <ErrorCode>996</ErrorCode>
       <ErrorMessage>No Data Found</ErrorMessage>
    </DataRow>
  </Report>
```

If the date entered is not within 30 days from today's date or future date, the following is returned.

```
  <?xml version="1.0" encoding="utf-8" ?>
<Report Title=" Billing Transaction XML ">
   <DataRow>
       <ErrorCode>997</ErrorCode>
       <ErrorMessage>Date Entered out of Range</ErrorMessage>
    </DataRow>
  </Report>
```

If the start date entered greater than or equal to end date,the following is returned.

```
  <?xml version="1.0" encoding="utf-8" ?>
<Report Title=" Billing Transaction XML ">
   <DataRow>
       <ErrorCode>995</ErrorCode>
       <ErrorMessage>Date Mismatch</ErrorMessage>
    </DataRow>
  </Report>
```

If the difference between the two date parameter is more than 1day,the following is returned.

```
 <?xml version="1.0" encoding="utf-8" ?>
<Report Title="Billing Transaction XML">
  <DataRow>
      <ErrorCode>994</ErrorCode>
      <ErrorMessage>Date Range Exceeds Limit</ErrorMessage>
   </DataRow>
 </Report>
```

If any of the date parameters are blank, the following is returned.

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title=" Billing Transaction XML ">
  <DataRow>
      <ErrorCode>993</ErrorCode>
      <ErrorMessage>Insufficient Parameters</ErrorMessage>
   </DataRow>
 </Report>
```

Bandwidth per SP XML

The purpose of the Bandwidth per SP XML report is to display the concurrent Bandwidth that the SP has used over a time period. The data returned is the same as the data in the current "**Bandwidth per SP XML**" report available on the web.

For a positive result, the following is returned:

```
 <?xml version="1.0" encoding="utf-8" ?>
<Report Title="Bandwidth Per SP XML">
  <DataRow>
      <hour0>0</hour0>
      <hour1>0</hour1>
      <hour2>0</hour2>
      <hour3>0</hour3>
      <hour4>1</hour4>
      <hour5>0</hour5>
      <hour6>0</hour6>
```

```
        <hour7>0</hour7>
        <hour8>0</hour8>
        <hour9>0</hour9>
        <hour10>0</hour10>
        <hour11>2</hour11>
        <hour12>3</hour12>
        <hour13>5</hour13>
        <hour14>7</hour14>
        <hour15>6</hour15>
        <hour16>6</hour16>
        <hour17>8</hour17>
        <hour18>9</hour18>
        <hour19>4</hour19>
        <hour20>7</hour20>
        <hour21>4</hour21>
        <hour22>8</hour22>
        <hour23>4</hour23>
    </DataRow>
  </Report>
```

If a negative result is encountered, i.e. there is no known Batch date, the following is returned:

```
  <?xml version="1.0" encoding="utf-8" ?>
 <Report Title="Bandwidth Per SP XML">
   <DataRow>
       <ErrorMessage>No Data Found</ErrorMessage>
    </DataRow>
  </Report>
```

If the date entered is not within 30 days from today’s date then the following is returned.

```
  <?xml version="1.0" encoding="utf-8" ?>
<Report Title="Bandwidth Per SP XML">
   <DataRow>
       <ErrorCode>994</ErrorCode>
```

```
      <ErrorMessage>Date eEntered out of Range</ErrorMessage>
    </DataRow>
  </Report>
```

SP Billing Exception Date Search XML

The purpose of SP Billing Exception Date Search XML report is to allow the user to perform a search based on Date of Error to display the unsuccessful billing Transactions i.e. Billing Exceptions. The data returned is the same as the data in the current “SP Billing Exception Date Search XML” report available on the web.

For a positive result, the following is returned

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="SP Billing Exception Date Search XML">
 <DataRow>
      <SequenceNumber>200</SequenceNumber>
      <TransactionID>5</TransactionID>
      <RequestType>applyADQFeature</RequestType>
      <ProductServiceID>bbi1234</ProductServiceID>
      <ServiceProviderName>UNKNOWN</ServiceProviderName>
      <ActionDate>02-NOV-04</ActionDate>
      <SuccessCode>S_CODE</SuccessCode>
      <ReasonCode>RCode</ReasonCode>
      <SessionIdentifier>H;LKL;JKJG</SessionIdentifier>
      <PolicyRequested>FUYTGIU</PolicyRequested>
      <StartTimeRequested>14-SEP-05</StartTimeRequested>
      <EndTimeAnticipated>31-DEC-99</EndTimeAnticipated>
      <StartTimeActual>31-DEC-99</StartTimeActual>
      <EndTimeActual>31-DEC-99</EndTimeActual>
      <ExceptionCode>G</ExceptionCode>
      <ExceptionDescription>HL</ExceptionDescription>
      <DateOfError>03-MAY-06</DateOfError>
      <ProductName>EUSC</ProductName>
      <UpdateTimestamp>31-DEC-99</UpdateTimestamp>
```

```
        <BIPErrorDesc>SuccessCode</BIPErrorDesc>
    </DataRow>
 </Report>
```

If a negative result is encountered, i.e. there is no known Batch date, the following is returned:

```
 <?xml version="1.0" encoding="utf-8" ?>
<Report Title="SP Billing Exception Date Search XML">
   <DataRow>
      <ErrorCode>996</ErrorCode>
      <ErrorMessage>No Data Found</ErrorMessage>
    </DataRow>
 </Report>
```

If the date entered is not within 10 days from today's date or future date, the following is returned.

```
 <?xml version="1.0" encoding="utf-8" ?>
<Report Title="SP Billing Exception Date Search XML">
   <DataRow>
      <ErrorCode>997</ErrorCode>
      <ErrorMessage>Date Entered out of Range</ErrorMessage>
    </DataRow>
 </Report>
```

If the start date entered greater than or equal to end date,the following is returned.

```
 <?xml version="1.0" encoding="utf-8" ?>
<Report Title="SP Billing Exception Date Search XML">
   <DataRow>
      <ErrorCode>995</ErrorCode>
      <ErrorMessage>Date Mismatch</ErrorMessage>
    </DataRow>
 </Report>
```

If the difference between the two date parameter is more than 1day,the following is returned.

```
 <?xml version="1.0" encoding="utf-8" ?>
<Report Title="SP Billing Exception Date Search XML">
   <DataRow>
      <ErrorCode>994</ErrorCode>
      <ErrorMessage>Date Range Exceeds Limit</ErrorMessage>
    </DataRow>
 </Report>
```

If any of the date parameters are blank, the following is returned.

```
 <?xml version="1.0" encoding="utf-8" ?>
<Report Title="SP Billing Exception Date Search XML">
   <DataRow>
      <ErrorCode>993</ErrorCode>
      <ErrorMessage>Insufficient Parameters</ErrorMessage>
    </DataRow>
 </Report>
```

Circuit Move Detail XML

For negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title=" CIRCUIT MOVE DETAIL XML ">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
</Report>
```

If the date entered for Actual Completion Date is not within 91 days from today's date or future date, the following is returned.

```
 <?xml version="1.0" encoding="utf-8" ?>
<Report Title=" CIRCUIT MOVE DETAIL XML">
   <DataRow>
```

```
        <ErrorCode>997</ErrorCode>
        <ErrorMessage>Date Entered out of Range</ErrorMessage>
    </DataRow>
  </Report>
```

AS ENABLED EXTERNAL XML

The purpose of the AS ENABLED EXTERNAL XML is to display the Policy Information of all the Advanced Services End users under a particular SP. The data returned is the same as the data in the current “AS Policy Information” report available on the web.

For positive result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
 <Report Title="AS ENABLED EXTERNAL XML">
      <DataRow>
          <ASEnabledUsers>Total Number Of AS Enabled Users</ASEnabledUsers>
          <Count>46</Count>
          <Percentage>100</Percentage>
    </DataRow>
   <DataRow>
          <ASEnabledUsers>Users With Throttle To Subscription
Policy</ASEnabledUsers>
          <Count>23</Count>
          <Percentage>50</Percentage>
    </DataRow>
   <DataRow>
          <ASEnabledUsers>Users With Unthrottled Subscription
Policy</ASEnabledUsers>
          <Count>23</Count>
         <Percentage>50</Percentage>
   </DataRow>
  <DataRow>
         <ASEnabledUsers>Users With Unknown Subscription Policy</ASEnabledUsers>
         <Count>0</Count>
        <Percentage>0</Percentage>
```

```
    </DataRow>
</Report>
```

For negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title=" AS ENABLED EXTERNAL XML ">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
</Report>
```

This XML is modified as follows:

```
<?xml version="1.0" encoding="utf-8" ?>
 <Report Title="AS ENABLED EXTERNAL XML">
      <DataRow>
          <ASEnabledUsers>Total Number Of AS Enabled Users</ASEnabledUsers>
          <Count>46</Count>
          <Percentage>100</Percentage>
     </DataRow>
    <DataRow>
          <ASEnabledUsers>Users With “Throttle To” Policy</ASEnabledUsers>
          <Count>23</Count>
          <Percentage>50</Percentage>
     </DataRow>
    <DataRow>
          <ASEnabledUsers>Users With “Unthrottled” Policy</ASEnabledUsers>
          <Count>23</Count>
          <Percentage>50</Percentage>
     </DataRow>
   <DataRow>
          <ASEnabledUsers>Users With Unrecognised Policy</ASEnabledUsers>
          <Count>0</Count>
```

```
        <Percentage>0</Percentage>
    </DataRow>
</Report>
```

For negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title=" AS ENABLED EXTERNAL XML ">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
</Report>
```

INVENTORY DETAIL XML

The purpose of the INVENTORY DETAIL XML is to display the individual circuit details of the Advanced Services End users with a particular subscription policy under a particular SP. The data returned is the same as the data in the current “Inventory Detail” report available on the web, when called from AS Policy Information report.

For positive result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
   <Report Title="INVENTORY DETAIL XML">
      <DataRow>
         <ServiceID>BBIP26762835</ServiceID>
         <NetworkID>CBUK26867685</NetworkID>
          <InstallationDN>01213575458</InstallationDN>
        <SP-requestedPolicy>Unthrottled</SP-requestedPolicy>
        <DateTimeRecordLastUpdatedInBIP>08-OCT-07</DateTimeRecordLastUpdatedInBIP>
```

```
        <PolicyLastUpdatedDateTime>07-OCT-07</PolicyLastUpdatedDateTime>
       <PolicyLastUpdatedThrough>ADQ</PolicyLastUpdatedThrough>
     </DataRow>
    <DataRow>
         <ServiceID>BBIP26491690</ServiceID>
        <NetworkID>CBUK26595202</NetworkID>
         <InstallationDN>01212129746</InstallationDN>
        <SP-requestedPolicy>Unthrottled</SP-requestedPolicy>
       <DateTimeRecordLastUpdatedInBIP>06-OCT-07</DateTimeRecordLastUpdatedInBIP>
      <PolicyLastUpdatedDateTime>05-OCT-07</PolicyLastUpdatedDateTime>
      <PolicyLastUpdatedThrough>DEFAULT-OSS</PolicyLastUpdatedThrough>
    </DataRow>
</Report>
```

Network ID is masked for 21 CN/wBC Services i.e. For a 21 CN User following will be returned:

```
<?xml version="1.0" encoding="utf-8" ?>
  <Report Title="INVENTORY DETAIL XML">
      <DataRow>
         <ServiceID>BBIP26762835</ServiceID>
         <NetworkID />
          <InstallationDN>01213575458</InstallationDN>
          <SP-requestedPolicy>Unthrottled</SP-requestedPolicy>
        <DateTimeRecordLastUpdatedInBIP>08-OCT-07</DateTimeRecordLastUpdatedInBIP>
      <PolicyLastUpdatedDateTime>07-OCT-07</PolicyLastUpdatedDateTime>
     <PolicyLastUpdatedThrough>ADQ</PolicyLastUpdatedThrough>
     </DataRow>
    <DataRow>
         <ServiceID>BBIP26491690</ServiceID>
        <NetworkID />
         <InstallationDN>01212129746</InstallationDN>
        <SP-requestedPolicy>Unthrottled</SP-requestedPolicy>
       <DateTimeRecordLastUpdatedInBIP>06-OCT-07</DateTimeRecordLastUpdatedInBIP>
      <PolicyLastUpdatedDateTime>05-OCT-07</PolicyLastUpdatedDateTime>
      <PolicyLastUpdatedThrough>DEFAULT-OSS</PolicyLastUpdatedThrough>
    </DataRow>
```

```
</Report>
```

For negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title=" INVENTORY DETAIL XML">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
</Report>
```

PEW XML

Timestamp is added in the StartDate and FinishDate fields.

For a positive result, the following is returned for 20CN:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="PEW XML">
   <DataRow>
      <StartDate>07/04/2006 04:30:02</StartDate>
      <FinishDate>07/04/2006 09:40:01</FinishDate>
      <PEWNumber>PW029363</PEWNumber>
      <OutageTime>    0 Days   0 hrs </OutageTime>
      <Message>OOS</Message>
      <ServiceID>FTIP0123456789</ServiceID>
      <NetworkID>CBUK123456789</NetworkID>
      <TelephoneNumber>0123456789</TelephoneNumber>
      <DSLAM>BM/EDG_ADSL_1</DSLAM>
      <MSAN />
```

```
      <ExchangeName>BIRMINGHAM EDGBASTON</ExchangeName>
   </DataRow>
</Report>
```

When difference between FromDate and ToDate is greater than 24 hours , the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="PEW XML">
        <DataRow>
                <ErrorCode>994</ErrorCode>
                <ErrorMessage>Date Range Exceeds Limit</ErrorMessage>
        </DataRow>
</Report>
```

When FromDate is greater than ToDate , the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="PEW XML">
        <DataRow>
                <ErrorCode>995</ErrorCode>
                <ErrorMessage>Date Mismatch</ErrorMessage>
        </DataRow>
</Report>
```

When difference between FromDate and current date is greater than 10 days , the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="PEW XML">
        <DataRow>
                <ErrorCode>997</ErrorCode>
                <ErrorMessage>Date Entered Out of Range</ErrorMessage>
        </DataRow>
</Report>
```

For a negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="PEW XML">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
</Report>
```

Fault Delta Dates XML V2

For a positive result, the following is returned for 20 CN Circuit:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Fault Delta Dates XML V2">
   <DataRow>
      <CaseId>1-1155708328</CaseId>
      <ClosedDate>07/04/2006</ClosedDate>
      <CustomerId>CUG5000954980</CustomerId>
      <CustomerNotes>BES Status -Network Analysis</CustomerNotes>
      <CustomerReference>IS31070701</CustomerReference>
      <EndUserFirstName>First Name</ EndUserFirstName>
      <EndUserLastName>LAST NAME</ EndUserLastName>
      <ETLCreateDate>07/04/2006</ETLCreateDate>
      <ETLUpdateDate>07/04/2006</ETLUpdateDate>
      <ExchangeName>BIRMINGHAM EDGBASTON</ExchangeName>
      <FaultClear/>
      <FaultDetail/>
      <FaultReason>Unknown Fault Reason</FaultReason>
      <FaultSource/>
      <FaultStatus>CLOSED</FaultStatus>
      <FaultWith/>
      <InstalledDate>07/04/2006</InstalledDate>
      <NetworkID/>
      <ReportedDate>07/04/2006</ReportedDate>
      <ServiceID>BBEU00024877</ServiceID>
```

```
      <ServiceLevel>Standard Service Care</ServiceLevel>
      <TelephoneNumber>0123456789</TelephoneNumber>
      <TotalOST/>
      <RepeatELF/>
      <Policy>BIRMINGHAM EDGBASTON</Policy>
      <TransactionID>500095498</ TransactionID>
      <NetworkType/>
      <ParkTime>10:48:57</ParkTime>
   </DataRow>
</Report>
```

For a positive result, the following is returned for both 20 CN/21 CN or WBC/21 CN Circuit Only:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Fault Delta Dates XML V2">
   <DataRow>
      <CaseId>1-1155708328</CaseId>
      <ClosedDate>07/04/2006</ClosedDate>
      <CustomerId>CUG5000954980</CustomerId>
      <CustomerNotes>BES Status -Network Analysis</CustomerNotes>
      <CustomerReference>IS31070701</CustomerReference>
      <EndUserFirstName>First Name</ EndUserFirstName>
      <EndUserLastName>LAST NAME</ EndUserLastName>
      <ETLCreateDate>07/04/2006</ETLCreateDate>
      <ETLUpdateDate>07/04/2006</ETLUpdateDate>
      <ExchangeName>BIRMINGHAM EDGBASTON</ExchangeName>
      <FaultClear/>
      <FaultDetail/>
      <FaultReason>Unknown Fault Reason</FaultReason>
      <FaultSource/>
      <FaultStatus>CLOSED</FaultStatus>
      <FaultWith/>
      <InstalledDate>07/04/2006</InstalledDate>
      <NetworkID/>
      <ReportedDate>07/04/2006</ReportedDate>
      <ServiceID>BBEU00024877</ServiceID>
      <ServiceLevelOrMaintenanceCategory>Standard Service Care</ServiceLevelOrMaintenanceCategory>
```

```
      <TelephoneNumber>0123456789</TelephoneNumber>
      <TotalOST/>
      <RepeatELF/>
      <Policy/>BIRMINGHAM EDGBASTON</Policy>
      <TransactionID>500095498</ TransactionID>
      <NetworkType/>
      <FirstAppointmentDate />
      < AgreedAppointmentDate />
      <AppointmentStatus />
      <AppointmentReason />
      <ParkTime>10:48:57</ParkTime>
      <ONTPortID />
      <ONTSerialNumber />
      <AccessTechnology />
   </DataRow>
</Report>
```

For a negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Fault Delta Dates XML V2">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
</Report>
```

WBC XML

Order Delta GM Dates XML V5

For a positive result, the following is returned for EUA

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Order Delta GM Dates XML V5">
```

```
<DataRow>
    <DN>0123456789</DN>
    <ServiceID>FTIP0123456789</ServiceID>
    <OrderId > 1-1189863433 </OrderId>
   <PlannedCapacityResolutionDate>07/04/2006</PlannedCapacityResolutionDate>
   <ProductName>WBC End User Access (EUA)</ProductName>
   <OrderStatus>Open</OrderStatus>
   <LineItemStatus>Issued</LineItemStatus>
   <CustomerPromisedDate >07/04/2008</CustomerPromisedDate>
   <CustAppDate >07/04/2008</CustAppDate>
   <CustAppointmentSlot/>
   <ContractualDeliveryDate >07/06/2008 10:10:58</ContractualDeliveryDate>
   <CompletionDate >08/08/2008</CompletionDate>
   <DelayStatus/ >
   <DelayReason/>
   <CancelledReason/>
   <CancelledDate >07/04/2008</CancelledDate>
   <CustomerNotes/>
   <CustomerGroupName >BT RETAIL</CustomerGroupName>
   <EUContactNo />
   <EUPremises/>
   <EUThroughfareName/>
   <EUThroughfareNo/>
   <EUPostTown/>
   <EUPostCode/>
   <CreatedDate >07/04/2008</ CreatedDate>
   <MigrationAuthorisationCode/>
   <ReceivedDate >07/04/2008</ ReceivedDate>
   <OriginalDeliveryDate >07/04/2008</ OriginalDeliveryDate>
   <CustomerRequiredDate >07/04/2008</ CustomerRequiredDate>
   <CRDAmendReason />
   <RejectedReason/ >
   <DelayCategory/>
   <TimeDelayRequested/>
   <CustomerBillingAccount >1234562678</ CustomerBillingAccount >
   <ServiceLevelOrMaintenanceCategory >Standard Service Care</ ServiceLevelOrMaintenanceCategory >
```

```
<ExchangeCode/>
<ExchangeName/>
<XMLBatchNo/>
<EndUserFirstName >First Name</ EndUserFirstName>
<EndUserLastName >Last Name</ EndUserLastName>
<CustomerOrderReference >OOS</ CustomerOrderReference>
 <ETLCreateDate >OOS</ ETLCreateDate>
<ETLUpdateDate >OOS</ ETLUpdateDate>
<EPSVLANID >OOS</ EPSVLANID>
<OldProduct >OOS</ OldProduct>
<LineItemtype >OOS</ LineItemtype>
<VP_PSID />
<VPI_2/>
<VPI_3/ >
<VPI_4/>
<VPI_5/>
<ProductSubType/>
<AdvancedServicesOptIn/>
<Interleaving />
<ProvideType/>
<CeaseType/>
<ProvisionOnCease/>
<CustomerEnquiryDate >07/04/2008</CustomerEnquiryDate>
<CombinedOrderReference/>
<ReviewDate >07/04/2008</ReviewDate>
<NetworkType >21CN</NetworkType>
<AccessTechnology/ >
<StabilityOption />
<Downstream >48Kbit/s</Downstream>
<Upstream >448Kbit/s</Upstream>
<TrafficWeighting/>
<CurrentKCIMessage/>
< IntermediateAgent />
< CustomerLineItemReference >1-JOEI6</ CustomerLineItemReference>
<OriginalServiceID/>
<OrderLineNumber />
```

```
      <ModifiedFTRCalc />
      <FirstAppointmentDate />
      < AgreedAppointmentDate />
      <AppointmentStatus />
      <AppointmentReason />
      <CeaseReason />
      <ONTPortID />
      <ONTSerialNumber />
     < RetailerID />
   </DataRow>
</Report>
```

For a positive result, the following is returned for ADSL and SDSL Orders:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Order Delta GM Dates XML V5">
   <DataRow>
      <TelephoneNumber>0123456789</TelephoneNumber>
      <ServiceID>FTIP0123456789</ServiceID>
      <OrderNumber> 1-1189863433 </OrderNumber>
      <PlannedCapacityResolutionDate>07/04/2006</PlannedCapacityResolutionDate>
      <Product>WBC End User Access (EUA)</Product>
      <OrderStatus>Open</OrderStatus>
      <LineItemSubStatus>Issued</LineItemSubStatus>
      <LineTest/>
      <CustomerAgreedDate >07/04/2008</CustomerAgreedDate>
      <CustAppDate>07/04/2008</CustAppDate>
      <CustAppointmentSlot/>
      <CommittedDeliveryDate >07/06/2008 10:10:58</CommittedDeliveryDate>
      <CompletionDate >08/08/2008</CompletionDate>
      <DelayStatus/ >
      <DelayReason/>
      <CancelledReason/>
      <CancelledDate >07/04/2008</CancelledDate>
      <CustomerNotes/>
      <CustomerName >BT RETAIL</CustomerName>
```

```
<EUContactNo />
<EUPremises/>
<EUThroughfareName/>
<EUThroughfareNo/>
<EUPostTown/>
<EUPostCode/>
<CreatedDate >07/04/2008</ CreatedDate>
<MACKey/>
<ReceivedDate >07/04/2008</ ReceivedDate>
<OriginalDeliveryDate >07/04/2008</ OriginalDeliveryDate>
<CustomerRequiredDate >07/04/2008</ CustomerRequiredDate>
<ReasonDateChange/>
<RejectedReason/ >
<DelayCategory/>
<TimeDelayRequested/>
<BillingAccount >1234562678</BillingAccount >
<ServiceLevel>Standard Service Care</ ServiceLevel>
<CSAC/>
<ExchangeCode/>
<ExchangeName/>
<VCI/>
<VCIControl/>
<VCIBoot/>
<VCIVideo/>
<VPI/>
<VPIBootControl/>
<VPIVideo/>
<XMLBatchNo/>
<EndUserFirstName >First Name</ EndUserFirstName>
<EndUserLastName >Last Name</ EndUserLastName>
<CustomerReference >OOS</ CustomerReference>
<OldNetworkID/>
<ETLCreateDate >OOS</ ETLCreateDate>
<ETLUpdateDate >OOS</ ETLUpdateDate>
<DomainName1>OOS</DomainName1>
<DomainName2/>
```

```
<DomainName3/>
<DomainName4/>
<DomainName5/>
<OldProduct >OOS</ OldProduct>
<OrderType>OOS</OrderType>
<ChangeType/>
<VP_PSID />
<VCI_2/>
<VPI_2/>
<VP_PSID_2/>
<VCI_3/>
<VPI_3/>
<VP_PSID_3/>
<VCI_4/>
<VPI_4/>
<VP_PSID_4/>
<VCI_5/>
<VPI_5/>
<VP_PSID_5/>
<PackageRef/>
<PackageDescription/>
<ProductSubType/>
<PAT_IP_Address/>
<PATPortNo/>
<PATProtocol/>
<DHCPRequired/>
<DHCPRange1/>
<DHCPRange2/>
<FlowPointIP/>
<SubnetIP/>
<NATRequired/>
<PATRequired/>
<Policy/>
<InterleavingPermissionFlag/>
<ProvideType/>
<CeaseType/>
```

Formatted: English (U.K.)

```
      <ProvisionOnCease/>
      <CustomerEnquiryDate >07/04/2008</CustomerEnquiryDate>
      <OrderMatchingRef/>
      <ReviewDate >07/04/2008</ReviewDate>
      <NetworkType >21CN</NetworkType>
      <NametheDay/>
      <OriginalServiceID/>
      <SupplierNotes/>
      <OrderLineNumber />
    </DataRow>
</Report>
```

For a positive result, the following is returned for both 20CN and 21CN Circuit Orders:

```
<?xml version="1.0" encoding="utf-8"?>
<Report Title="Order Delta GM Dates XML V5">
  <DataRow>
     <DN>01595693403</DN>
      <ServiceID>NULL</ServiceID>
      <NetworkID>CBUK199010597</NetworkID>
      <OrderID>1-RDIDFE</OrderID>
      <PlannedCapacityResolutionDate/>
      <ProductName>BT IPStream Max</ProductName>
      <OrderStatus>PLACED</OrderStatus>
      <LineItemStatus>ASSIGNED</LineItemStatus>
      <LineTest/>
      <CustomerPromisedDate>02/06/2009</CustomerPromisedDate>
      <CustAppDate/>
      <CustAppointmentSlot/>
      <ContractualDeliveryDate/>
      <CompletionDate/>
      <DelayStatus/>
      <DelayReason/>
      <CancelledReason/>
      <CancelledDate/>
```

<CustomerNotes/>
<CustomerGroupName/>
<EUContactNo>01595693403</EUContactNo>
<EUPremises/>
<EUThroughfareName/>
<EUThroughfareNo/>
<EUPostTown/>
<EUPostCode>ZE1 0SE</EUPostCode>
<CreatedDate>26/05/2009</CreatedDate>
<MigrationAuthorisationCode/>
<NetworkAvailableDate/>
<ReceivedDate>26/05/2009 23:40:10</ReceivedDate>
<OriginalDeliveryDate>02/06/2009</OriginalDeliveryDate>
<CustomerRequiredDate>02/06/2009</CustomerRequiredDate>
<CRDAmendReason/>
<RejectedReason/>
<DelayCategory/>
<TimeDelayRequested/>
<CustomerBillingAccount>66666666AC01</CustomerBillingAccount>
<ServiceLevelOrMaintenanceCategory/>
<CSAC/>
<ExchangeCode>LER</ExchangeCode>
<ExchangeName/>
<VCI>253</VCI>
<VCIControl/>
<VCIBoot/>
<VCIVideo/>
<VPI/>
<VPIBootControl/>
<VPIVideo/>
<XMLBatchNo/>
<EndUserFirstName>L</EndUserFirstName>
<EndUserLastName/>
<CustomerOrderReference>VOL011-1112212</CustomerOrderReference>
<OldNetworkID>CBUK1990454057</OldNetworkID>
<ETLCreateDate>27/05/2004 01:11:59</ETLCreateDate>

```
<ETLUpdateDate>27/05/2004 01:55:29</ETLUpdateDate>
<EPSVLANID/>
<DomainName2/>
<DomainName3/>
<DomainName4/>
<DomainName5/>
<OldProduct/>
<LineItemType>MODIFY</LineItemType>
<ChangeType>DOMAIN NAME</ChangeType>
<VP_PSID/>
<VCI_2/>
<VPI_2/>
<VP_PSID_2/>
<VCI_3/>
<VPI_3/>
<VP_PSID_3/>
<VCI_4/>
<VPI_4/>
<VP_PSID_4/>
<VCI_5/>
<VPI_5/>
<VP_PSID_5/>
<PackageRef/>
<PackageDescription/>
<ProductSubType>ADSL</ProductSubType>
<PAT_IP_Address/>
<PATPortNo/>
<PATProtocol/>
<DHCPRequired/>
<DHCPRange1/>
<DHCPRange2/>
<FlowPointIP/>
<SubnetIP/>
<NATRequired/>
<PATRequired/>
<AdvancedServicesOptIn>N/A</AdvancedServicesOptIn>
```

Formatted: English (U.S.)

```
        <Interleaving>AUTO</Interleaving>
        <ProvideType/>
        <CeaseType/>
        <ProvisionOnCease/>
        <CustomerEnquiryDate/>
        <CombinedOrderReference/>
        <ReviewDate/>
        <NetworkType/>
        <CustomerLineItemReference/>
        <IntermediateAgent/>
        <CurrentKCIMessage/>
        <TrafficWeighting/>
        <Upstream/>
        <Downstream/>
        <StabilityOption/>
        <AccessTechnology/>
        <NametheDay>NO</NametheDay>
        <OriginalServiceID>BBIP19854070</OriginalServiceID>
        <SupplierNotes/>
        <OrderLineNumber />
        <ModifiedFTRCalc />
        <FirstAppointmentDate />
        < AgreedAppointmentDate />
        <AppointmentStatus />
        <AppointmentReason />
         <CeaseReason />
         <ONTPortID />
        <ONTSerialNumber />
       < RetailerID />
      </DataRow>
     </Report>
```

For a negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<Report Title="Order Delta GM Dates XML V5">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
</Report>
```

Migration Summary Report

For a positive result, the following is returned for 20 CN Circuits:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Migration Summary Report">
  <DataRow>
       <OriginalCustomerName>BT RETAIL</OriginalCustomerName>
       <MACKey />
       <ServiceID>BBIP00004147</ServiceID>
       <Product />
       <TelephoneNumber>01213577687</TelephoneNumber>
       <CompletionDate />
       <CustomerAgreedDate>18/04/2008 01:00:00</CustomerAgreedDate>
       <CancelledDate />
       <CeaseType />
       <ProvideType />
 </DataRow>
</Report>
```

For a positive result, the following is returned for WBC/21 CN Circuits:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Migration Summary Report">
  <DataRow>
       <OriginalCustomerGroupName>BT RETAIL</OriginalCustomerGroupName>
       < MigrationAuthorisationCode />
```

```
        <ServiceID>BBEU00004147</ServiceID>
        <ProductName>S0132393</ProductName>
        <DN>01213577687</DN>
        <CompletionDate />
        <CustomerPromisedDate>18/04/2008 01:00:00</CustomerPromisedDate>
        <CancelledDate />
        <CeaseType />
        <ProvideType />
       <ModifiedFTRCalc />
        <ONTPortID />
       <ONTSerialNumber />
       <AVCFlag />
       <AVCQuantity />
      < RetailerID />
 </DataRow>
</Report>
```

For a positive result, the following is returned for both 20 CN and WBC/21 CN Circuits:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Migration Summary Report">
  <DataRow>
       <OriginalCustomerGroupName>BT RETAIL</OriginalCustomerGroupName>
       < MigrationAuthorisationCode />
       <ServiceID>BBEU00004147</ServiceID>
       <ProductName>S0132393</ProductName>
       <DN>01213577687</DN>
       <CompletionDate />
       <CustomerPromisedDate>18/04/2008 01:00:00</CustomerPromisedDate>
       <CancelledDate />
       <CeaseType />
       <ProvideType />
       <ModifiedFTRCalc />
       <ONTPortID />
       <ONTSerialNumber />
```

```
      <AVCFlag  />
      <AVCQuantity />
      < RetailerID />
 </DataRow>
</Report>
```

For a negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
 <Report Title="Migration Summary Report">
    <DataRow>
       <ErrorCode>996</ErrorCode>
       <ErrorMessage>No Data Found</ErrorMessage>
    </DataRow>
 </Report>
```

If the user doesn't want to search with Created Date, both Created To Date and Created From Date should be null. In case, it is not following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Migration Summary Report">
  <DataRow>
    <ErrorCode>993</ErrorCode>
    <ErrorMessage>Insufficient Parameters</ErrorMessage>
  </DataRow>
 </Report>
```

Product Family Migration XML

Note: Old Service ID for Migration orders with change of CP will not be available.

For a positive result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Product Family Migration XML">
```

<DataRow>
<CustomerName>BT RETAIL</CustomerName>
<BillingAccount>0455812993</BillingAccount>
<OriginalBillingAccount>0455812993</OriginalBillingAccount>
<CustomerID>CUG5002638610</CustomerID>
<OriginalCustomerID>CUG5002638610</OriginalCustomerID>
<ProductName>WBC End User Access (EUA)</ProductName>
<OriginalProductName>WBC End User Access (EUA)</OriginalProductName>
<ProductCode>S0132393</ProductCode>
<OriginalProductCode>S0132393</OriginalProductCode>
<ProductDescription>WBC End User Access (EUA)</ProductDescription>
<ServiceID>BBEU00004808</ServiceID>
<OriginalServiceID>BBEU00004808</OriginalServiceID>
<APServiceID />
<IntermediateAgent>BBEU00004808</IntermediateAgent>
<Exchange>CMCEN</Exchange>
<DN>01212129791</DN>
<PreviousAccessTechnology>ADSL</PreviousAccessTechnology>
<CareLevel>Maintenance Category 4</CareLevel>
<AccessTechnology>ADSL</AccessTechnology>
<TrafficWeighting />
<DLMProfile>IPH/MAX448_6F/MAX448_6F_2-Pair</DLMProfile>
<UpstreamBandwidth>448Kbit/s</UpstreamBandwidth>
<RealTimeOptIn>0Kbit/s</RealTimeOptIn>
<CustomerRequiredDate>27/05/2008 16:42:30</CustomerRequiredDate>
<ContractualDeliveryDate>27/05/2008 16:42:30</ContractualDeliveryDate>
<CancelledDate />
<CustomerPromisedDate />
<OrderType>CEASE</OrderType>
<LineItemSubStatus>ISSUED</LineItemSubStatus>
<OrderDelayStatus />
<OrderDelayReason />
<OrderRejectionReason />
<OrderCompletionDate />
<CustomerNotes />
<CurrentKCIMessage />

```
  <CustomerLineItemReference />
  <MigrationType>Single</MigrationType>
  <ModifiedFTRCalc />
  <ONTPortID />
 <ONTSerialNumber />
< RetailerID />
</DataRow>
</Report>
```

For a negative result, the following is returned:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title=" Product Family Migration XML ">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
</Report>
```

Security

The system has been carefully designed in order to give our customers as much information as possible, without compromising on our obligations to our customers to protect their data. It follows comprehensive BT Security Policies and a few key aspects are covered below

Access to the System

Access at the operating system level and via direct database access is strictly controlled with minimised access rights.

Server Architecture

The Internet facing servers hold no customer data – they merely pass requests through the BT firewall to the master database. All the customer line data is held on database servers protected within the corporate infrastructure, protected by industry standard firewalls. The live data stored on the internet facing servers is the exchange categories, and the messages to be returned to users.

The firewall and network capacity has been designed to minimise the risk of Denial-of-Service (DOS) attacks, with specific software implemented to minimise DOS attacks intended to overcome system resources.

Anti-Virus

The BT virus management infrastructure will prevent the introduction of viruses into the system and prevent viruses being forwarded to customers.

System Maintenance

All measures are taken to ensure that the system does not suffer from unplanned outages. The platforms used by the system all consist of pairs of boxes, allowing continuation of service in the case of multiple failures. Changes to the platform are properly planned and implemented under formal Change Control, and the paired architecture allows upgrades without interruption of service.

Encryption

The system uses SSL security with an https URL and as such provides security in both directions with protection for both upstream and downstream data. The SSL protocol runs above TCP/IP and below higher-level protocols such as HTTP or IMAP. It uses TCP/IP on behalf of the higher-level protocols, and in the process allows an SSL-enabled server to authenticate itself to an SSL-enabled client, allows the client to authenticate itself to the server, and allows both machines to establish an encrypted connection.

The Perl Script

PERL Script

As mentioned earlier in the document, BT will be providing a template script as an example of implementing the URL call. Details of this script are below:

PERL 5 will be used in the working example of the script which BT will provide to users. The reason PERL has been selected as the preferred scripting tool is due to:

- Cost – completely free for users – available to download from web[5]

[5] See http://www.cpan.org for more information

- Flexible -works in both NT and UNIX environments
- Speed – PERL extensive string processing facilities make it a good choice

Pseudo-code of Script

Below are the heavily simplified series of steps which the script goes through:

1. Take report name and report parameters from command line
2. Read in username and password of user (which is hard-coded in the script)
3. Pass all 4 of these parameters forward in an https URL to the server
4. Do an https GET to extract all the tags from the page and pipe these to a text file; if this operation fails then return an error code and message

Invocation of Script

The script can be run from the command line as follows:

For the existing version of the Orders Delta:

*perl actuate_xml.pl "Release+2/XML/Order+Delta+**Dates**+XML"*
*"&**p**Delta**FromD**ate=27/12/2003+00:00:00**&pDeltaToDate=28/12/2003+00:00:00**"*

Running the script with the above parameters make *the script run the Release 2 version 'Order Delta **Dates** XML' report,* and pulls back all the Orders which have had a status change **between** 27/12/2003 **00:00:00 and 28/12/2003 00:00:00**.

For the Generic Modify version of Orders Delta::

*perl actuate_xml.pl "Release+2/XML/Order+Delta+GM+**Dates**+XML"*
*"&**p**Delta**FromD**ate=27/12/2003+00:00:00**&pDeltaToDate=28/12/2003+00:00:00**"*

Running the script with the above parameters make *the script run the Release 2 version 'Order Delta GM **Dates** XML' report,* and pulls back all the Orders which have had a status change **between** 27/12/2003 **00:00:00 and 28/12/2003 00:00:00**.

Please note that this is a change in v10

Similarly:

*perl actuate_xml.pl "Release+2/XML/Fault+Delta**+Dates**+XML"*
*"&**p**Delta**FromD**ate=27/12/2003+00:00:00**&pDeltaToDate=28/12/2003+00:00:00**""*

…would run the *Release 2 version* 'Fault Delta **Dates** XML' report and bring back all the Faults which have had a status change **between** 27/12/2003 **00:00:00 and 28/12/2003 00:00:00.**

The following:

perl actuate_xml.pl "Release+2/XML/MSO+Fault+XML" "&Telephone=01212302300"

…would execute the *Release 2* MSO Fault XML report, and check to see whether the telephone number 0121 230 2300 was impacted with an MSO.

Running:

perl actuate_xml.pl "Release+2/XML/MSO+Fault+XML" "&CBUK=CBUK123456"

…would execute the *Release 2 MSO Fault XML* report, and check to see whether CBUK number 'CBUK123456' was impacted by an MSO.

Running:

perl actuate_xml.pl "Release+2/XML/MSO+Fault+XML" "&ServiceID=FT001234567"

…would execute the *Release 2 MSO Fault XML* report, and check to see whether Service Id 'FT001234567' was impacted by an MSO.

Finally:

perl actuate_xml.pl "Release+2/ XML/MSO+ByReference+XML" "&refno%3d6802%26ShowCircuits%3dTRUE"

…would execute the Release 1 MSO By Reference XML report, and check to see which circuits are impacted by MSO number 6802. Circuit details are shown as the 'ShowCircuits' parameter is set to 'TRUE'

Errors & Status Codes

The purpose of this section is to cover the status/error codes which the URL call is likely to return.

NB: It is worth bearing in mind that HTTP status codes **only** inform whether the HTTP request *itself* has been successful or not. That said, when a report results in an error, for example when the date supplied in the URL exceeds the permitted date range, the HTTP status code returned will still be successful (i.e. 200), as the HTTP request will have been successful. However, the response that will have been returned will indicate an error.

For instance. the example below shows the response which is returned to the client when there is no data to display:

```
<?xml version="1.0" encoding="utf-8" ?>
<Report Title="Order Delta XML">
        <DataRow>
                <ErrorCode>996</ErrorCode>
                <ErrorMessage>No Data Found</ErrorMessage>
        </DataRow>
 </Report>
```

Similarly, the errors in the table below are also returned in the same format as above.

Error Code	Message	Comment
1014	Datastream Errors	This signifies an error returned due a problem arising with the datastream. They won't mean much to users however, they should be reported to the helpdesk if they are encountered
1011	Database Errors	These error s are returned if an error is returned directly from the datasource. They won't mean much to users however, they should be reported to the helpdesk if they are encountered
	Specific Code	Global Const DB_OutOfMemory = 1 Global Const DB_Specific = 2 Global Const DB_InvalidLogin = 3 Global Const DB_InvalidColumn = 4 Global Const DB_InvalidStatement = 5 Global Const DB_TimeOut = 6 Global Const DB_InternalError = 7

Error Code	Message	Comment
		Global Const DB_InvalidParameter = 8 Global Const DB_DescNotAvailable = 9 Global Const DB_ParameterNotBound = 10 Global Const DB_EndOfResults = 11 Global Const DB_CantConvertParameter = 12 Global Const DB_NoCurrentConnection = 13 Global Const DB_CursorNotOpen = 14 Global Const DB_InvalidDescId = 15 Global Const DB_InvalidParamId = 16 Global Const DB_NoColumnInfo = 17 Global Const DB_VariableDescMismatch = 18 Global Const DB_LoginFailed = 19 Global Const DB_CannotLoadDLL = 20 Global Const DB_CursorOnSprocStmtErr = 21 Global Const DB_OutOfCursors = 22 Global Const DB_MaxCursorsOnStmt = 23 Global Const DB_Invalid_DataType = 24 Global Const DB_BadParamTypeForFunc = 25 Global Const DB_MaxCursorsOnParam = 26 Global Const DB_FuncNotForDB = 27 Global Const DB_InvalidConnProperty = 28 Global Const DB_EndOfLife = 29 Global Const DB_NoResultSetAvailable = 30 Global Const DB_FuncNotForDBServer = 31 Global Const DB_NotSupportedPlatform = 32 Global Const DB_InvalidProcedure = 33 Global Const DB_IncompatibleClient = 34
9xx	Report Errors	Error with a 9xx code indicate an error returned by the Actuate report.
999	“Database is Being Refreshed”	This message indicates that the datasource is currently being updated with new data, and as such, is currently unable to fulfil the request.. As the Orders data gets updated every 2 hours, and the Faults data every 15

Error Code	Message	Comment
		minutes, it is highly likely that at some point you are likely to hit the database while it is being refreshed. If this is likely to cause problems then it is relatively easy to amend the Perl script so that it sleeps for a minute and then re-attempts the request until its gets some sort of XML output using a loop within the code.
998	"User Account Registration Incomplete"	When an account is created by the helpdesk, you need to wait at least one hour before the account is 'activated'. The account gets activated by a batch script which runs once every hour. If you attempt to run a report before this time, then error code 998 is returned. If this error persists please contact the helpdesk.
996	"No Data Found"	Indicates that the query run by the database returned 0 rows.
995	"Date Mismatch"	This error is returned by the delta reports typically when a Start Date is greater than an End Date. i.e. Start Date should always be earlier than the End Date
994	"Date Range Exceeds Limit"	When the date range between Start Date and End Date exceeds 1 day (24 hours) on the 'Delta Range' reports then this error is returned.
991	"Invalid Number of Parameters"	When the required number of parameters are not entered, this message is returned.
993	"Insufficient Parameters"	This error is returned when an incorrect number of parameters are being fed into a query
992	"Hour Range Exceeds Limit"	When the pHour is more than 24 hours this error message is returned.

As one might expect, if the URL call fails as a result of an error arising from the HTTP request, it is possible that one of the following errors might be returned to the client. (Information on standard HTTP request error codes as shown here have been taken directly from http://www.w3.org/Protocols/rfc2616/rfc2616-sec10.html and is provided here for reference purposes):

Error Code	Message	Comment
4xx	Client Errors	The 4xx class of status code is intended for cases in which the client seems to have erred.
400	“Bad Request”	The request could not be understood by the server due to malformed syntax.
401	“Unauthorized”	The request requires user authentication.
402	“Payment Required”	This code is unlikely to surface (but is included here for completeness) as there is no requirement of a payment to fulfil a request
403	“Forbidden”	The server understood the request, but is refusing to fulfil it.
404	“Not Found”	The server has not found anything matching the Request-URI.
405	“Method Not Allowed”	The method specified in the Request-Line is not allowed for the resource identified by the Request-URI.
406	“Not Acceptable”	The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept headers sent in the request.
407	“Proxy Authentication Required”	This code is similar to 401 (Unauthorized), but indicates that the client must first authenticate itself with the proxy.
408	“Request Timeout”	The client did not produce a request within the time that the server was prepared to wait. **NB: The Actuate report server times out if the requested job is not generated in 600 seconds. In such as case, please inform the helpdesk immediately.**
409	“Conflict”	The request could not be completed due to a conflict with the current state of the resource.
410	“Gone”	The requested resource is no longer available at the server and no forwarding address is known.
411	“Length	The server refuses to accept the request without a defined

Error Code	Message	Comment
	Required”	Content- Length.
412	“Precondition Failed”	The precondition given in one or more of the request-header fields evaluated to false when it was tested on the server.
413	“Request Entity Too Large”	The server is refusing to process a request because the request entity is larger than the server is willing or able to process.
414	“Request-URI Too Long”	The server is refusing to service the request because the Request-URI is longer than the server is willing to interpret.
415	“Unsupported Media Type”	The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method.
416	“Requested Range Not Satisfiable”	A server SHOULD return a response with this status code if a request included a Range request-header field, and none of the range-specifier values in this field overlap the current extent of the selected resource, and the request did not include an If-Range request-header field. (For byte-ranges, this means that the first- byte-pos of all of the byte-range-spec values were greater than the current length of the selected resource.) When this status code is returned for a byte-range request, the response SHOULD include a Content-Range entity-header field specifying the current length of the selected resource. This response MUST NOT use the multipart/byteranges content- type.
417	“Expectation Failed”	The expectation given in an Expect request-header field could not be met by this server, or, if the server is a proxy, the server has unambiguous evidence that the request could not be met by the next-hop server.
5xx	Server Errors	Response status codes beginning with the digit "5" indicate cases in which the server is aware that it has erred or is incapable of performing the request.
500	“Internal Server	The server encountered an unexpected condition which

Error Code	Message	Comment
	Error", also "Connection Refused"	prevented it from fulfilling the request. **NB: This error can occur if the web server is down. If this error persists please contact the helpdesk immediately**
501	"Not Implemented"	The server does not support the functionality required to fulfil the request.
502	"Bad Gateway"	The server, while acting as a gateway or proxy, received an invalid response from the upstream server it accessed in attempting to fulfil the request.
503	"Service Unavailable"	The server is currently unable to handle the request due to a temporary overloading or maintenance of the server. The implication is that this is a temporary condition which will be alleviated after some delay.
504	"Gateway Timeout"	The server, while acting as a gateway or proxy, did not receive a timely response from the upstream server specified by the URI (e.g. HTTP, FTP, LDAP) or some other auxiliary server (e.g. DNS) it needed to access in attempting to complete the request.
505	"HTTP Version Not Supported"	The server does not support, or refuses to support, the HTTP protocol version that was used in the request message. The server is indicating that it is unable or unwilling to complete the request using the same major version as the client, other than with this error message.

Support

Implementation

It should be noted that the use of PERL is the reference example and some support will be provided in assisting the SP to implement the template script.
If the SP chooses to implement this URL call via another mechanism no implementation support will be provided.

Interface

The underlying technology at the BT end of this interface is the same as used for the web reports available to SPs. Therefore the support for this should follow existing procedures.

Building the Perl Library

This section looks at all the required modules required as part of your PERL installation in order to execute the template script and refers to the more-popular UNIX-flavour of the product. For Windows-based installation, refer to documentation from ActiveState/CPAN.

The aim of this section is to detail the installation of Perl and the associated modules to enable remote interfacing with the BBCR. Documentation for all of the modules can be found at:

http://www.perl.com/CPAN/

Installation

- Get appropriate PERL 5.8.0 for OS e.g.
  ftp://ftp.sunfreeware.com/pub/freeware/sparc/8/perl-5.8.0-sol8-sparc-local.gz

  Install (as root) via
  ```
  cd /tmp
  gunzip perl-5.8.0-sol8-sparc-local.gz
  pkgadd -d perl-5.8.0-sol8-sparc-local.gz
  ```

  Modify .profile to add /usr/local/bin as the 1st entry in the path (ensure this version of perl used).

- Install gcc if not available on system e.g.
  ftp://ftp.sunfreeware.com/pub/freeware/sparc/8/gcc-3.2-sol8-sparc-local.gz

  install as above

- Get zlib library for OS e.g.
  ftp://ftp.sunfreeware.com/pub/freeware/sparc/8/zlib-1.1.4-sol8-sparc-local.gz

install as above

- Download OpenSSL and install:
  http://www.openssl.org/source/openssl-0.9.7.tar.gz

  When installing OpenSSL make sure your config looks like:

  > ./config --openssldir=/usr/local/openssl
  or
  > ./config --openssldir=/usr/local/ssl

  then
  > make
  > make test
  > make install

  This way Crypt::SSLeay will pick up the includes and libraries automatically. If your includes end up going into a separate directory like /usr/local/include, then you may need to symlink /usr/local/openssl/include to /usr/local/include

- Download packages from http://www.perl.com/CPAN/

  Install by
  - gunzip
  - tar –xvf …
  - perl Makefile.PL
  - Make install (as root)

Required Modules

ExtUtils-MakeMaker-6.05

Distributions >> E >> ExtUtils-MakeMaker-6.05

Download / quickinstall **ExtUtils-MakeMaker-6.05.tar.gz** : create an extension Makefile

Size: 187.528 kB **Last modified:** Aug 27, 2002

README CPAN-testers results for ExtUtils-MakeMaker

Author: **Michael G Schwern**

CPAN id: M/MS/MSCHWERN
email: mschwern@cpan.org
Home page: http://www.pobox.com/~schwern

Requires: File::Spec : portably perform operations on file names [in the File-Spec-0.82 distribution]

Category **>>** Development Support **>>** ExtUtils

File-Spec-0.82

Distributions >> F >> File-Spec-0.82

Download / quickinstall **File-Spec-0.82.tar.gz** : portably perform operations on file names

Size: 16.855 kB **Last modified:** Jul 01, 2000

README CPAN-testers results for File-Spec

Author: **Barrie Slaymaker**

CPAN id: R/RB/RBS

email:
barries@slaysys.com

Requires: ExtUtils::MakeMaker : create an extension Makefile [in the ExtUtils-MakeMaker-6.05 distribution]

Category >> File Names Systems Locking >> File

Compress-Zlib-1.19

Distributions >> C >> Compress-Zlib-1.19

Download / quickinstall **Compress-Zlib-1.19.tar.gz** : Interface to zlib compression library
Size: 34.22 kB **Last modified:** Oct 31, 2002
README CPAN-testers results for Compress-Zlib

Author: **Paul Marquess**

CPAN id: P/PM/PMQS
Email:
Paul.Marquess@btinternet.com

Requires: perl **5.004** or greater

ExtUtils::MakeMaker : create an extension Makefile [in the ExtUtils-MakeMaker-6.05 distribution]

Category >> Archiving and Compression >> Compress

Digest-MD5-2.20

Distributions >> D >> Digest-MD5-2.20

Download / quickinstall **Digest-MD5-2.20.tar.gz** : Perl interface to the MD5 Algorithm
Size: 41.113 **Last modified:** May 06, 2002

kB
README CPAN-testers results for Digest-MD5

Author: **Gisle Aas**

CPAN id: G/GA/GAAS
Email: gisle@ActiveState.com
Home page:
http://gisle.aas.no/

Requires: perl **5.004** or greater

ExtUtils::MakeMaker : create an extension Makefile [in the ExtUtils-MakeMaker-6.05 distribution]

Category >> Security and Encryption >>
Digest

HTML-Tagset-3.03

Distributions >> H >> HTML-Tagset-3.03

Download / quickinstall **HTML-Tagset-3.03.tar.gz** : data tables useful in parsing HTML
Size: 6.642 kB **Last modified:** Oct 20, 2000
README CPAN-testers results for HTML-Tagset

Author: **Sean M. Burke**

CPAN id: S/SB/SBURKE
email: sburke@cpan.org
Home page:
http://members.spinn.net/~sburke/

Requires: perl **5.004** or greater

ExtUtils::MakeMaker : create an extension Makefile [in the ExtUtils-MakeMaker-6.05 distribution]

Category >> World Wide Web HTML HTTP CGI >> HTML

HTML-Parser-3.26

Distributions >> H >> HTML-Parser-3.26

Download / quickinstall **HTML-Parser-3.26.tar.gz** : HTML parser class
Size: 70.191 kB **Last modified:** Mar 17, 2002
README CPAN-testers results for HTML-Parser

Author: **Gisle Aas**

CPAN id: G/GA/GAAS
email: gisle@ActiveState.com
Home page: http://gisle.aas.no/

Requires: perl **5.004** or greater

ExtUtils::MakeMaker : create an extension Makefile [in the ExtUtils-MakeMaker-6.05 distribution]
HTML::Tagset : data tables useful in parsing HTML [in the HTML-Tagset-3.03 distribution]

Category >> World Wide Web HTML HTTP CGI >> HTML

MIME-Base64-2.12

Distributions >> M >> MIME-Base64-2.12

Download / quickinstall **MIME-Base64-2.12.tar.gz** : Encoding and decoding of base64 strings
Size: 10.938 kB **Last modified:** Feb 24, 2001
README CPAN-testers results for MIME-Base64

Author: **Gisle Aas**

CPAN id: G/GA/GAAS
email: gisle@ActiveState.com
Home page:
http://gisle.aas.no/

Requires: perl **5.002** or greater

ExtUtils::MakeMaker : create an extension Makefile [in the ExtUtils-MakeMaker-6.05 distribution]

Category >> World Wide Web HTML HTTP CGI >>
MIME

libnet-1.12

Distributions >> L >> libnet-1.12

Download / quickinstall **libnet-1.12.tar.gz** : A collection of net-related modules
Size: 65.841 kB **Last modified:** May 28, 2002
README CPAN-testers results for libnet

Author: **Graham Barr**

CPAN id: G/GB/GBARR
email: gbarr@pobox.com
Home page:
http://www.pobox.com/~gbarr

Requires: perl **5.002** or greater

ExtUtils::MakeMaker : create an extension Makefile [in the ExtUtils-MakeMaker-6.05 distribution]
ExtUtils::Manifest : utilities to write and check a MANIFEST file [in the ExtUtils-

MakeMaker-6.05 distribution]

Category >> Networking Devices IPC >> Net

URI-1.22

Distributions >> U >> URI-1.22

Download / quickinstall **URI-1.22.tar.gz** : Uniform Resource Identifiers (absolute and relative)
Size: 88.267 kB **Last modified:** Sep 02, 2002
README CPAN-testers results for URI

Author: **Gisle Aas**

CPAN id: G/GA/GAAS
email: gisle@ActiveState.com
Home page:
http://gisle.aas.no/

Requires: perl **5.004** or greater

ExtUtils::MakeMaker : create an extension Makefile [in the ExtUtils-MakeMaker-6.05 distribution]
MIME::Base64 : Encoding and decoding of base64 strings [in the MIME-Base64-2.12 distribution]

Category >> World Wide Web HTML HTTP CGI >> URI

libwww-perl-5.65

Distributions >> L >> libwww-perl-5.65

Download / quickinstall **libwww-perl-5.65.tar.gz** : The World-Wide Web library for Perl
Size: 184.051 **Last modified:** May 31, 2002

kB
README CPAN-testers results for libwww-perl

Author: **Gisle Aas**

CPAN id: G/GA/GAAS
email: gisle@ActiveState.com
Home page:
http://gisle.aas.no/

Requires: perl **5.005** or greater

Compress::Zlib : Interface to zlib compression library [in the Compress-Zlib-1.19 distribution]
Digest::MD5 : Perl interface to the MD5 Algorithm [in the Digest-MD5-2.20 distribution]
ExtUtils::MakeMaker : create an extension Makefile [in the ExtUtils-MakeMaker-6.05 distribution]
HTML::HeadParser : Parse section of a HTML document [in the HTML-Parser-3.26 distribution]
MIME::Base64 : Encoding and decoding of base64 strings [in the MIME-Base64-2.12 distribution]
Net::FTP : FTP Client class [in the libnet-1.12 distribution]
URI : Uniform Resource Identifiers (absolute and relative) [in the URI-1.22 distribution]

Category **>>** Networking Devices IPC **>>** Net
>> File Names Systems Locking **>>** File
>> World Wide Web HTML HTTP CGI **>>** HTML
>> World Wide Web HTML HTTP CGI **>>** HTTP
>> World Wide Web HTML HTTP CGI **>>** LWP
>> World Wide Web HTML HTTP CGI **>>** WWW
>> Miscellaneous Modules **>>** Bundle

HTML-Tree-3.16

Distributions >> H >> HTML-Tree-3.16

Download / quickinstall **HTML-Tree-3.16.tar.gz** : overview of HTML::TreeBuilder et al

Size: 117.948 kB

Last modified: Nov 23, 2002

README

CPAN-testers results for HTML-Tree

Author:

Sean M. Burke

CPAN id: S/SB/SBURKE
email: sburke@cpan.org
Home page: http://members.spinn.net/~sburke/

Requires:

perl **5.004** or greater

ExtUtils::MakeMaker : create an extension Makefile [in the ExtUtils-MakeMaker-6.05 distribution]
HTML::Parser : HTML parser class [in the HTML-Parser-3.26 distribution]
HTML::Tagset : data tables useful in parsing HTML [in the HTML-Tagset-3.03 distribution]

Category >>

World Wide Web HTML HTTP CGI **>>** HTML

Crypt::SSLeay

Crypt::SSLeay — OpenSSL glue that provides LWP https support [documentation]
Crypt::SSLeay::CTX
Crypt::SSLeay::Conn
Crypt::SSLeay::Err
Crypt::SSLeay::MainContext
Crypt::SSLeay::X509

Contained in Crypt-SSLeay-0.45 [download / quickinstall], in CPAN directory
C/CH/CHAMAS (Joshua Chamas)
Category >> Security and Encryption >> Crypt
>> Networking Devices IPC >> Net

Best Practice

Below are some hints and tips to help SPs get the most out of the system:

Schedule

Schedule the PERL script to run (e.g. using Cron on UNIX or Scheduler on WinNT) at set intervals. (Bear in mind that Faults and Orders data is updated every 20 and every hour respectively). It is a good idea to set the report to overlap 20 minutes or 75 mins with the previous reports.

Avoid Large Queries

If possible, avoid running large queries. e.g. where the delta date is greater than 1 day during working hours. If a large query needs to be run, for data recovery purposes for example, then it is advised that these are executed as jobs outside regular working hours. There is a timeout of 35 minutes and therefore if the report takes longer than this time to build it will not be returned.

Adaptation

The template PERL script which BT will provide offers a working example which can be used by the SP for an XML return from the Actuate reports. The script itself can be amended to fit in more neatly with the user's own business processes.

Please note however that BT will not provide any implementation support should the user choose a scripting tool **other than** PERL 5 to implement the URL call.

Fail After 3 Attempts

If an attempt to get an XML return fails three times in a row then it is likely that a serious problem has occurred. In such a scenario it is recommended that traps are coded into the script so that users can be alerted and a problem record raised with the helpdesk. In this sort of situation don't make further requests to the system until the helpdesk has been alerted and a fix has been put in place.

Gleaning Value From Data

XML was first specified with the DPH (Desperate Perl Hacker) in mind; in other words a key requirement was that it be easily processable by a wide range of easily available (ideally free) tools across as wide a range of software platforms as possible.

This vision has been amply realised with support from the largest software companies such as IBM (http://www-106.ibm.com/developerworks/xml/), Oracle (http://technet.oracle.com/tech/xml/content.html), Sun (http://wwws.sun.com/software/xml/index.html) Microsoft (http://msdn.microsoft.com/library/default.asp?url=/nhp/Default.asp?contentid=28000438), and from Open Source initiatives such as Apache (http://xml.apache.org/), with standards developed largely by W3C (http://www.w3.org/). In particular, users may find it worthwhile to investigate
XSLT as a means of processing their data either for immediate visualisation in a browser or in their automated OSS

DTDs

Order Delta GM Dates XML V4 DTD

```
<!ELEMENT Report ( DataRow+ ) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT BillingAccount (#PCDATA)>
<!ELEMENT CSAC (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CancelledReason (#PCDATA)>
<!ELEMENT CeaseType (#PCDATA)>
<!ELEMENT ChangeType (#PCDATA)>
<!ELEMENT CommittedDeliveryDate (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CreatedDate (#PCDATA)>
<!ELEMENT CustAppDate (#PCDATA)>
<!ELEMENT CustAppointmentSlot (#PCDATA)>
<!ELEMENT CustomerAgreedDate (#PCDATA)>
<!ELEMENT CustomerEnquiryDate (#PCDATA)>
<!ELEMENT CustomerName (#PCDATA)>
<!ELEMENT CustomerNotes (#PCDATA)>
<!ELEMENT CustomerReference (#PCDATA)>
<!ELEMENT CustomerRequiredDate (#PCDATA)>
<!ELEMENT DHCPRange1 (#PCDATA)>
```

Formatted: Italian (Italy)

<!ELEMENT DHCPRange2 (#PCDATA)>
<!ELEMENT DHCPRequired (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (TelephoneNumber, ServiceID, NetworkID, OrderNumber, PlannedCapacityResolutionDate,Product, OrderStatus, LineItemSubStatus, LineTest, CustomerAgreedDate, CustAppDate, CustAppointmentSlot, CommittedDeliveryDate, CompletionDate, DelayStatus, DelayReason, CancelledReason, CancelledDate, CustomerNotes, CustomerName, EUContactNo, EUPremises, EUThroughfareName, EUThroughfareNo, EUPostTown, EUPostCode, CreatedDate, MACKey, NetworkAvailableDate, ReceivedDate, OriginalDeliveryDate, CustomerRequiredDate, ReasonDateChange, RejectedReason, DelayCategory, TimeDelayRequested, BillingAccount, ServiceLevel, CSAC, ExchangeCode, ExchangeName, VCI, VCIControl, VCIBoot, VCIVideo, VPI, VPIBootControl, VPIVideo, XMLBatchNo,EndUserFirstName, EndUserLastName, CustomerReference, OldNetworkID, ETLCreateDate, ETLUpdateDate, DomainName1, DomainName2, DomainName3, DomainName4, DomainName5,OldProduct, OrderType, ChangeType, VP_PSID, VCI_2, VPI_2, VP_PSID_2, VCI_3, VPI_3, VP_PSID_3, VCI_4, VPI_4, VP_PSID_4, VCI_5, VPI_5, VP_PSID_5, PackageRef, PackageDescription, ProductSubType, PAT_IP_Address, PATPortNo, PATProtocol, DHCPRequired, DHCPRange1, DHCPRange2, FlowPointIP, SubnetIP, NATRequired, PATRequired, Policy, InterleavingPermissionFlag, ProvideType, CeaseType, ProvisionOnCease, CustomerEnquiryDate, OrderMatchingRef, ReviewDate, NetworkType, NametheDay, OriginalServiceID, SupplierNotes))>
<!ELEMENT DelayCategory (#PCDATA)>
<!ELEMENT DelayReason (#PCDATA)>
<!ELEMENT DelayStatus (#PCDATA)>
<!ELEMENT DomainName1 (#PCDATA)>
<!ELEMENT DomainName2 (#PCDATA)>
<!ELEMENT DomainName3 (#PCDATA)>
<!ELEMENT DomainName4 (#PCDATA)>
<!ELEMENT DomainName5 (#PCDATA)>
<!ELEMENT ETLCreateDate (#PCDATA)>
<!ELEMENT ETLUpdateDate (#PCDATA)>
<!ELEMENT EUContactNo (#PCDATA)>
<!ELEMENT EUPostCode (#PCDATA)>
<!ELEMENT EUPostTown (#PCDATA)>
<!ELEMENT EUPremises (#PCDATA)>
<!ELEMENT EUThroughfareName (#PCDATA)>
<!ELEMENT EUThroughfareNo (#PCDATA)>
<!ELEMENT EndUserFirstName (#PCDATA)>
<!ELEMENT EndUserLastName (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>

<!ELEMENT ExchangeCode (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FlowPointIP (#PCDATA)>
<!ELEMENT InterleavingPermissionFlag (#PCDATA)>
<!ELEMENT LineItemSubStatus (#PCDATA)>
<!ELEMENT LineTest (#PCDATA)>
<!ELEMENT MACKey (#PCDATA)>
<!ELEMENT NATRequired (#PCDATA)>
<!ELEMENT NetworkAvailableDate (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT NetworkType (#PCDATA)>
<!ELEMENT OldProduct (#PCDATA)>
<!ELEMENT OldNetworkID(#PCDATA)>
<!ELEMENT OrderMatchingRef (#PCDATA)>
<!ELEMENT OrderNumber (#PCDATA)>
<!ELEMENT OrderStatus (#PCDATA)>
<!ELEMENT OrderType (#PCDATA)>
<!ELEMENT OriginalDeliveryDate (#PCDATA)>
<!ELEMENT PATPortNo (#PCDATA)>
<!ELEMENT PATProtocol (#PCDATA)>
<!ELEMENT PATRequired (#PCDATA)>
<!ELEMENT PAT_IP_Address (#PCDATA)>
<!ELEMENT PackageDescription (#PCDATA)>
<!ELEMENT PackageRef (#PCDATA)>
<!ELEMENT PlannedCapacityResolutionDate(#PCDATA)>
<!ELEMENT Policy (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT ProductSubType (#PCDATA)>
<!ELEMENT ProvideType (#PCDATA)>
<!ELEMENT ProvisionOnCease (#PCDATA)>
<!ELEMENT ReasonDateChange (#PCDATA)>
<!ELEMENT ReceivedDate (#PCDATA)>
<!ELEMENT RejectedReason (#PCDATA)>
<!ELEMENT ReviewDate (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ServiceLevel (#PCDATA)>

Formatted: Italian (Italy)

<!ELEMENT SubnetIP (#PCDATA)>
<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT TimeDelayRequested (#PCDATA)>
<!ELEMENT VCI (#PCDATA)>
<!ELEMENT VCIBoot (#PCDATA)>
<!ELEMENT VCIControl (#PCDATA)>
<!ELEMENT VCIVideo (#PCDATA)>
<!ELEMENT VCI_2 (#PCDATA)>
<!ELEMENT VCI_3 (#PCDATA)>
<!ELEMENT VCI_4 (#PCDATA)>
<!ELEMENT VCI_5 (#PCDATA)>
<!ELEMENT VPI (#PCDATA)>
<!ELEMENT VPIBootControl (#PCDATA)>
<!ELEMENT VPIVideo (#PCDATA)>
<!ELEMENT VPI_2 (#PCDATA)>
<!ELEMENT VPI_3 (#PCDATA)>
<!ELEMENT VPI_4 (#PCDATA)>
<!ELEMENT VPI_5 (#PCDATA)>
<!ELEMENT VP_PSID (#PCDATA)>
<!ELEMENT VP_PSID_2 (#PCDATA)>
<!ELEMENT VP_PSID_3 (#PCDATA)>
<!ELEMENT VP_PSID_4 (#PCDATA)>
<!ELEMENT VP_PSID_5 (#PCDATA)>
<!ELEMENT XMLBatchNo (#PCDATA)>
<!ELEMENT NametheDay (#PCDATA)>
<!ELEMENT OriginalServiceID (#PCDATA)>
<!ELEMENT SupplierNotes (#PCDATA)>

Order Delta GM Dates XML V3 DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT BillingAccount (#PCDATA)>
<!ELEMENT CSAC (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CancelledReason (#PCDATA)>

Formatted: Italian (Italy)

<!ELEMENT CeaseType (#PCDATA)>
<!ELEMENT ChangeType (#PCDATA)>
<!ELEMENT CommittedDeliveryDate (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CreatedDate (#PCDATA)>
<!ELEMENT CustAppDate (#PCDATA)>
<!ELEMENT CustAppointmentSlot (#PCDATA)>
<!ELEMENT CustomerAgreedDate (#PCDATA)>
<!ELEMENT CustomerEnquiryDate (#PCDATA)>
<!ELEMENT CustomerName (#PCDATA)>
<!ELEMENT CustomerNotes (#PCDATA)>
<!ELEMENT CustomerReference (#PCDATA)>
<!ELEMENT CustomerRequiredDate (#PCDATA)>
<!ELEMENT DHCPRange1 (#PCDATA)>
<!ELEMENT DHCPRange2 (#PCDATA)>
<!ELEMENT DHCPRequired (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (TelephoneNumber, ServiceID, NetworkID, OrderNumber, Product, OrderStatus, LineItemSubStatus, LineTest, CustomerAgreedDate, CustAppDate, CustAppointmentSlot, CommittedDeliveryDate, CompletionDate, DelayStatus, DelayReason, CancelledReason, CancelledDate, CustomerNotes, CustomerName, EUContactNo, EUPremises, EUThroughfareName, EUThroughfareNo, EUPostTown, EUPostCode, CreatedDate, MACKey, NetworkAvailableDate, ReceivedDate, OriginalDeliveryDate, CustomerRequiredDate, ReasonDateChange, RejectedReason, DelayCategory, TimeDelayRequested, BillingAccount, ServiceLevel, CSAC, ExchangeCode, ExchangeName, VCI, VCIControl, VCIBoot, VCIVideo, VPI, VPIBootControl, VPIVideo, XMLBatchNo,EndUserFirstName, EndUserLastName, CustomerReference, ETLCreateDate, ETLUpdateDate, DomainName1, DomainName2, DomainName3, DomainName4, DomainName5,OldProduct, OrderType, ChangeType, VP_PSID, VCI_2, VPI_2, VP_PSID_2, VCI_3, VPI_3, VP_PSID_3, VCI_4, VPI_4, VP_PSID_4, VCI_5, VPI_5, VP_PSID_5, PackageRef, PackageDescription, ProductSubType, PAT_IP_Address, PATPortNo, PATProtocol, DHCPRequired, DHCPRange1, DHCPRange2, FlowPointIP, SubnetIP, NATRequired, PATRequired, Policy, InterleavingPermissionFlag, ProvideType, CeaseType, ProvisionOnCease, CustomerEnquiryDate, OrderMatchingRef, ReviewDate))>
<!ELEMENT DelayCategory (#PCDATA)>
<!ELEMENT DelayReason (#PCDATA)>
<!ELEMENT DelayStatus (#PCDATA)>
<!ELEMENT DomainName1 (#PCDATA)>
<!ELEMENT DomainName2 (#PCDATA)>
<!ELEMENT DomainName3 (#PCDATA)>
<!ELEMENT DomainName4 (#PCDATA)>

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<!ELEMENT DomainName5 (#PCDATA)>
<!ELEMENT ETLCreateDate (#PCDATA)>
<!ELEMENT ETLUpdateDate (#PCDATA)>
<!ELEMENT EUContactNo (#PCDATA)>
<!ELEMENT EUPostCode (#PCDATA)>
<!ELEMENT EUPostTown (#PCDATA)>
<!ELEMENT EUPremises (#PCDATA)>
<!ELEMENT EUThroughfareName (#PCDATA)>
<!ELEMENT EUThroughfareNo (#PCDATA)>
<!ELEMENT EndUserFirstName (#PCDATA)>
<!ELEMENT EndUserLastName (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeCode (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FlowPointIP (#PCDATA)>
<!ELEMENT InterleavingPermissionFlag (#PCDATA)>
<!ELEMENT LineItemSubStatus (#PCDATA)>
<!ELEMENT LineTest (#PCDATA)>
<!ELEMENT MACKey (#PCDATA)>
<!ELEMENT NATRequired (#PCDATA)>
<!ELEMENT NetworkAvailableDate (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT OldProduct (#PCDATA)>
<!ELEMENT OrderMatchingRef (#PCDATA)>
<!ELEMENT OrderNumber (#PCDATA)>
<!ELEMENT OrderStatus (#PCDATA)>
<!ELEMENT OrderType (#PCDATA)>
<!ELEMENT OriginalDeliveryDate (#PCDATA)>
<!ELEMENT PATPortNo (#PCDATA)>
<!ELEMENT PATProtocol (#PCDATA)>
<!ELEMENT PATRequired (#PCDATA)>
<!ELEMENT PAT_IP_Address (#PCDATA)>
<!ELEMENT PackageDescription (#PCDATA)>
<!ELEMENT PackageRef (#PCDATA)>
<!ELEMENT Policy (#PCDATA)>

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<!ELEMENT Product (#PCDATA)>
<!ELEMENT ProductSubType (#PCDATA)>
<!ELEMENT ProvideType (#PCDATA)>
<!ELEMENT ProvisionOnCease (#PCDATA)>
<!ELEMENT ReasonDateChange (#PCDATA)>
<!ELEMENT ReceivedDate (#PCDATA)>
<!ELEMENT RejectedReason (#PCDATA)>
<!ELEMENT ReviewDate (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ServiceLevel (#PCDATA)>
<!ELEMENT SubnetIP (#PCDATA)>
<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT TimeDelayRequested (#PCDATA)>
<!ELEMENT VCI (#PCDATA)>
<!ELEMENT VCIBoot (#PCDATA)>
<!ELEMENT VCIControl (#PCDATA)>
<!ELEMENT VCIVideo (#PCDATA)>
<!ELEMENT VCI_2 (#PCDATA)>
<!ELEMENT VCI_3 (#PCDATA)>
<!ELEMENT VCI_4 (#PCDATA)>
<!ELEMENT VCI_5 (#PCDATA)>
<!ELEMENT VPI (#PCDATA)>
<!ELEMENT VPIBootControl (#PCDATA)>
<!ELEMENT VPIVideo (#PCDATA)>
<!ELEMENT VPI_2 (#PCDATA)>
<!ELEMENT VPI_3 (#PCDATA)>
<!ELEMENT VPI_4 (#PCDATA)>
<!ELEMENT VPI_5 (#PCDATA)>
<!ELEMENT VP_PSID (#PCDATA)>
<!ELEMENT VP_PSID_2 (#PCDATA)>
<!ELEMENT VP_PSID_3 (#PCDATA)>
<!ELEMENT VP_PSID_4 (#PCDATA)>
<!ELEMENT VP_PSID_5 (#PCDATA)>
<!ELEMENT XMLBatchNo (#PCDATA)>

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Order Delta GM Dates XML V2 DTD – This will be decommissioned after 90 days.

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT BillingAccount (#PCDATA)>
<!ELEMENT CSAC (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CancelledReason (#PCDATA)>
<!ELEMENT ChangeType (#PCDATA)>
<!ELEMENT CommittedDeliveryDate (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CreatedDate (#PCDATA)>
<!ELEMENT CustAppDate (#PCDATA)>
<!ELEMENT CustAppointmentSlot (#PCDATA)>
<!ELEMENT CustomerAgreedDate (#PCDATA)>
<!ELEMENT CustomerName (#PCDATA)>
<!ELEMENT CustomerNotes (#PCDATA)>
<!ELEMENT CustomerReference (#PCDATA)>
<!ELEMENT CustomerRequiredDate (#PCDATA)>
<!ELEMENT DHCPRange1 (#PCDATA)>
<!ELEMENT DHCPRange2 (#PCDATA)>
<!ELEMENT DHCPRequired (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (TelephoneNumber, ServiceID, NetworkID, OrderNumber, Product, OrderStatus, LineItemSubStatus, LineTest, CustomerAgreedDate, CustAppDate, CustAppointmentSlot, CommittedDeliveryDate, CompletionDate, DelayStatus, DelayReason, CancelledReason, CancelledDate, CustomerNotes, CustomerName, EUContactNo, EUPremises, EUThroughfareName, EUThroughfareNo, EUPostTown, EUPostCode, CreatedDate, MACKey, NetworkAvailableDate, ReceivedDate, OriginalDeliveryDate, CustomerRequiredDate, ReasonDateChange, RejectedReason, DelayCategory, TimeDelayRequested, BillingAccount, ServiceLevel, CSAC, ExchangeCode, ExchangeName, VCI, VCIControl, VCIBoot, VCIVideo, VPI, VPIBootControl, VPIVideo, XMLBatchNo,EndUserFirstName, EndUserLastName, CustomerReference, ETLCreateDate, ETLUpdateDate, DomainName1, DomainName2, DomainName3, DomainName4, DomainName5,OldProduct, OrderType, ChangeType, VP_PSID, VCI_2, VPI_2, VP_PSID_2, VCI_3, VPI_3, VP_PSID_3, VCI_4, VPI_4, VP_PSID_4, VCI_5, VPI_5, VP_PSID_5, PackageRef, PackageDescription, ProductSubType, PAT_IP_Address, PATPortNo, PATProtocol, DHCPRequired, DHCPRange1, DHCPRange2, FlowPointIP, SubnetIP, NATRequired, PATRequired, Policy, InterleavingPermissionFlag))>
<!ELEMENT DelayCategory (#PCDATA)>
<!ELEMENT DelayReason (#PCDATA)>

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<!ELEMENT DelayStatus (#PCDATA)>
<!ELEMENT DomainName1 (#PCDATA)>
<!ELEMENT DomainName2 (#PCDATA)>
<!ELEMENT DomainName3 (#PCDATA)>
<!ELEMENT DomainName4 (#PCDATA)>
<!ELEMENT DomainName5 (#PCDATA)>
<!ELEMENT ETLCreateDate (#PCDATA)>
<!ELEMENT ETLUpdateDate (#PCDATA)>
<!ELEMENT EUContactNo (#PCDATA)>
<!ELEMENT EUPostCode (#PCDATA)>
<!ELEMENT EUPostTown (#PCDATA)>
<!ELEMENT EUPremises (#PCDATA)>
<!ELEMENT EUThroughfareName (#PCDATA)>
<!ELEMENT EUThroughfareNo (#PCDATA)>
<!ELEMENT EndUserFirstName (#PCDATA)>
<!ELEMENT EndUserLastName (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeCode (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FlowPointIP (#PCDATA)>
<!ELEMENT InterleavingPermissionFlag (#PCDATA)>
<!ELEMENT LineItemSubStatus (#PCDATA)>
<!ELEMENT LineTest (#PCDATA)>
<!ELEMENT MACKey (#PCDATA)>
<!ELEMENT NATRequired (#PCDATA)>
<!ELEMENT NetworkAvailableDate (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT OldProduct (#PCDATA)>
<!ELEMENT OrderNumber (#PCDATA)>
<!ELEMENT OrderStatus (#PCDATA)>
<!ELEMENT OrderType (#PCDATA)>
<!ELEMENT OriginalDeliveryDate (#PCDATA)>
<!ELEMENT PATPortNo (#PCDATA)>
<!ELEMENT PATProtocol (#PCDATA)>
<!ELEMENT PATRequired (#PCDATA)>

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<!ELEMENT PAT_IP_Address (#PCDATA)>
<!ELEMENT PackageDescription (#PCDATA)>
<!ELEMENT PackageRef (#PCDATA)>
<!ELEMENT Policy (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT ProductSubType (#PCDATA)>
<!ELEMENT ReasonDateChange (#PCDATA)>
<!ELEMENT ReceivedDate (#PCDATA)>
<!ELEMENT RejectedReason (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ServiceLevel (#PCDATA)>
<!ELEMENT SubnetIP (#PCDATA)>
<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT TimeDelayRequested (#PCDATA)>
<!ELEMENT VCI (#PCDATA)>
<!ELEMENT VCIBoot (#PCDATA)>
<!ELEMENT VCIControl (#PCDATA)>
<!ELEMENT VCIVideo (#PCDATA)>
<!ELEMENT VCI_2 (#PCDATA)>
<!ELEMENT VCI_3 (#PCDATA)>
<!ELEMENT VCI_4 (#PCDATA)>
<!ELEMENT VCI_5 (#PCDATA)>
<!ELEMENT VPI (#PCDATA)>
<!ELEMENT VPIBootControl (#PCDATA)>
<!ELEMENT VPIVideo (#PCDATA)>
<!ELEMENT VPI_2 (#PCDATA)>
<!ELEMENT VPI_3 (#PCDATA)>
<!ELEMENT VPI_4 (#PCDATA)>
<!ELEMENT VPI_5 (#PCDATA)>
<!ELEMENT VP_PSID (#PCDATA)>
<!ELEMENT VP_PSID_2 (#PCDATA)>
<!ELEMENT VP_PSID_3 (#PCDATA)>
<!ELEMENT VP_PSID_4 (#PCDATA)>
<!ELEMENT VP_PSID_5 (#PCDATA)>
<!ELEMENT XMLBatchNo (#PCDATA)>

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Order Delta GM Dates XML DTD – This report will be phased out 19th July as previously announced.

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT BillingAccount (#PCDATA)>
<!ELEMENT CSAC (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CancelledReason (#PCDATA)>
<!ELEMENT ChangeType (#PCDATA)>
<!ELEMENT CommittedDeliveryDate (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CreatedDate (#PCDATA)>
<!ELEMENT CustAppDate (#PCDATA)>
<!ELEMENT CustAppointmentSlot (#PCDATA)>
<!ELEMENT CustomerAgreedDate (#PCDATA)>
<!ELEMENT CustomerName (#PCDATA)>
<!ELEMENT CustomerNotes (#PCDATA)>
<!ELEMENT CustomerReference (#PCDATA)>
<!ELEMENT CustomerRequiredDate (#PCDATA)>
<!ELEMENT DHCPRange1 (#PCDATA)>
<!ELEMENT DHCPRange2 (#PCDATA)>
<!ELEMENT DHCPRequired (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (TelephoneNumber, ServiceID, NetworkID, OrderNumber, Product, OrderStatus, LineItemSubStatus, LineTest, CustomerAgreedDate, CustAppDate, CustAppointmentSlot, CommittedDeliveryDate, CompletionDate, DelayStatus, DelayReason, CancelledReason, CancelledDate, CustomerNotes, CustomerName, EUContactNo, EUPremises, EUThroughfareName, EUThroughfareNo, EUPostTown, EUPostCode, CreatedDate, NetworkAvailableDate, ReceivedDate, OriginalDeliveryDate, CustomerRequiredDate, ReasonDateChange, RejectedReason, DelayCategory, TimeDelayRequested, BillingAccount, ServiceLevel,
CSAC, ExchangeCode, ExchangeName, VCI, VCIControl, VCIBoot, VCIVideo, VPI, VPIBootControl, VPIVideo, XMLBatchNo,EndUserFirstName, EndUserLastName, CustomerReference, ETLCreateDate, ETLUpdateDate, DomainName1, DomainName2, DomainName3, DomainName4, DomainName5,OldProduct, OrderType, ChangeType, VP_PSID, VCI_2, VPI_2, VP_PSID_2, VCI_3, VPI_3, VP_PSID_3, VCI_4, VPI_4, VP_PSID_4, VCI_5, VPI_5, VP_PSID_5, PackageRef, PackageDescription, ProductSubType, PAT_IP_Address, PATPortNo, PATProtocol, DHCPRequired, DHCPRange1, DHCPRange2, FlowPointIP, SubnetIP, NATRequired, PATRequired, Policy, InterleavingPermissionFlag))>
<!ELEMENT DelayCategory (#PCDATA)>
<!ELEMENT DelayReason (#PCDATA)>

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<!ELEMENT DelayStatus (#PCDATA)>
<!ELEMENT DomainName1 (#PCDATA)>
<!ELEMENT DomainName2 (#PCDATA)>
<!ELEMENT DomainName3 (#PCDATA)>
<!ELEMENT DomainName4 (#PCDATA)>
<!ELEMENT DomainName5 (#PCDATA)>
<!ELEMENT ETLCreateDate (#PCDATA)>
<!ELEMENT ETLUpdateDate (#PCDATA)>
<!ELEMENT EUContactNo (#PCDATA)>
<!ELEMENT EUPostCode (#PCDATA)>
<!ELEMENT EUPostTown (#PCDATA)>
<!ELEMENT EUPremises (#PCDATA)>
<!ELEMENT EUThroughfareName (#PCDATA)>
<!ELEMENT EUThroughfareNo (#PCDATA)>
<!ELEMENT EndUserFirstName (#PCDATA)>
<!ELEMENT EndUserLastName (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeCode (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FlowPointIP (#PCDATA)>
<!ELEMENT InterleavingPermissionFlag (#PCDATA)>
<!ELEMENT LineItemSubStatus (#PCDATA)>
<!ELEMENT LineTest (#PCDATA)>
<!ELEMENT NATRequired (#PCDATA)>
<!ELEMENT NetworkAvailableDate (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT OldProduct (#PCDATA)>
<!ELEMENT OrderNumber (#PCDATA)>
<!ELEMENT OrderStatus (#PCDATA)>
<!ELEMENT OrderType (#PCDATA)>
<!ELEMENT OriginalDeliveryDate (#PCDATA)>
<!ELEMENT PATPortNo (#PCDATA)>
<!ELEMENT PATProtocol (#PCDATA)>
<!ELEMENT PATRequired (#PCDATA)>
<!ELEMENT PAT_IP_Address (#PCDATA)>

<!ELEMENT PackageDescription (#PCDATA)>
<!ELEMENT PackageRef (#PCDATA)>
<!ELEMENT Policy (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT ProductSubType (#PCDATA)>
<!ELEMENT ReasonDateChange (#PCDATA)>
<!ELEMENT ReceivedDate (#PCDATA)>
<!ELEMENT RejectedReason (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ServiceLevel (#PCDATA)>
<!ELEMENT SubnetIP (#PCDATA)>
<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT TimeDelayRequested (#PCDATA)>
<!ELEMENT VCI (#PCDATA)>
<!ELEMENT VCIBoot (#PCDATA)>
<!ELEMENT VCIControl (#PCDATA)>
<!ELEMENT VCIVideo (#PCDATA)>
<!ELEMENT VCI_2 (#PCDATA)>
<!ELEMENT VCI_3 (#PCDATA)>
<!ELEMENT VCI_4 (#PCDATA)>
<!ELEMENT VCI_5 (#PCDATA)>
<!ELEMENT VPI (#PCDATA)>
<!ELEMENT VPIBootControl (#PCDATA)>
<!ELEMENT VPIVideo (#PCDATA)>
<!ELEMENT VPI_2 (#PCDATA)>
<!ELEMENT VPI_3 (#PCDATA)>
<!ELEMENT VPI_4 (#PCDATA)>
<!ELEMENT VPI_5 (#PCDATA)>
<!ELEMENT VP_PSID (#PCDATA)>
<!ELEMENT VP_PSID_2 (#PCDATA)>
<!ELEMENT VP_PSID_3 (#PCDATA)>
<!ELEMENT VP_PSID_4 (#PCDATA)>
<!ELEMENT VP_PSID_5 (#PCDATA)>
<!ELEMENT XMLBatchNo (#PCDATA)>

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Order Delta GM XML DTD – This will be phased out after One month from Generic Modify XML deployment.

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT BillingAccount (#PCDATA)>
<!ELEMENT CSAC (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CancelledReason (#PCDATA)>
<!ELEMENT ChangeType (#PCDATA)>
<!ELEMENT CommittedDeliveryDate (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CreatedDate (#PCDATA)>
<!ELEMENT CustAppDate (#PCDATA)>
<!ELEMENT CustAppointmentSlot (#PCDATA)>
<!ELEMENT CustomerAgreedDate (#PCDATA)>
<!ELEMENT CustomerName (#PCDATA)>
<!ELEMENT CustomerNotes (#PCDATA)>
<!ELEMENT CustomerReference (#PCDATA)>
<!ELEMENT CustomerRequiredDate (#PCDATA)>
<!ELEMENT DHCPRange1 (#PCDATA)>
<!ELEMENT DHCPRange2 (#PCDATA)>
<!ELEMENT DHCPRequired (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (TelephoneNumber, ServiceID, NetworkID, OrderNumber, Product, OrderStatus, LineItemSubStatus, LineTest, CustomerAgreedDate, CustAppDate, CustAppointmentSlot, CommittedDeliveryDate, CompletionDate, DelayStatus, DelayReason, CancelledReason, CancelledDate, CustomerNotes, CustomerName, EUContactNo, EUPremises, EUThroughfareName, EUThroughfareNo, EUPostTown, EUPostCode, CreatedDate, NetworkAvailableDate, ReceivedDate, OriginalDeliveryDate, CustomerRequiredDate, ReasonDateChange, RejectedReason, DelayCategory, TimeDelayRequested, BillingAccount, ServiceLevel, CSAC, ExchangeCode, ExchangeName, VCI, VCIControl, VCIBoot, VCIVideo, VPI, VPIBootControl, VPIVideo, XMLBatchNo,EndUserFirstName, EndUserLastName, CustomerReference, ETLCreateDate, ETLUpdateDate, DomainName1, DomainName2, DomainName3, DomainName4, DomainName5, OrderType, ChangeType, OldProduct, VP_PSID, VCI_2, VPI_2, VP_PSID_2, VCI_3, VPI_3, VP_PSID_3, VCI_4, VPI_4, VP_PSID_4, VCI_5, VPI_5, VP_PSID_5, PackageRef, PackageDescription, ProductSubType, PAT_IP_Address, PATPortNo, PATProtocol, DHCPRequired, DHCPRange1, DHCPRange2, FlowPointIP, SubnetIP, NATRequired, PATRequired, Policy, InterleavingPermissionFlag))>
<!ELEMENT DelayCategory (#PCDATA)>
<!ELEMENT DelayReason (#PCDATA)>

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<!ELEMENT DelayStatus (#PCDATA)>
<!ELEMENT DomainName1 (#PCDATA)>
<!ELEMENT DomainName2 (#PCDATA)>
<!ELEMENT DomainName3 (#PCDATA)>
<!ELEMENT DomainName4 (#PCDATA)>
<!ELEMENT DomainName5 (#PCDATA)>
<!ELEMENT ETLCreateDate (#PCDATA)>
<!ELEMENT ETLUpdateDate (#PCDATA)>
<!ELEMENT EUContactNo (#PCDATA)>
<!ELEMENT EUPostCode (#PCDATA)>
<!ELEMENT EUPostTown (#PCDATA)>
<!ELEMENT EUPremises (#PCDATA)>
<!ELEMENT EUThroughfareName (#PCDATA)>
<!ELEMENT EUThroughfareNo (#PCDATA)>
<!ELEMENT EndUserFirstName (#PCDATA)>
<!ELEMENT EndUserLastName (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeCode (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FlowPointIP (#PCDATA)>
<!ELEMENT InterleavingPermissionFlag (#PCDATA)>
<!ELEMENT LineItemSubStatus (#PCDATA)>
<!ELEMENT LineTest (#PCDATA)>
<!ELEMENT NATRequired (#PCDATA)>
<!ELEMENT NetworkAvailableDate (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT OldProduct (#PCDATA)>
<!ELEMENT OrderNumber (#PCDATA)>
<!ELEMENT OrderStatus (#PCDATA)>
<!ELEMENT OrderType (#PCDATA)>
<!ELEMENT OriginalDeliveryDate (#PCDATA)>
<!ELEMENT PATPortNo (#PCDATA)>
<!ELEMENT PATProtocol (#PCDATA)>
<!ELEMENT PATRequired (#PCDATA)>
<!ELEMENT PAT_IP_Address (#PCDATA)>

<!ELEMENT PackageDescription (#PCDATA)>
<!ELEMENT PackageRef (#PCDATA)>
<!ELEMENT Policy (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT ProductSubType (#PCDATA)>
<!ELEMENT ReasonDateChange (#PCDATA)>
<!ELEMENT ReceivedDate (#PCDATA)>
<!ELEMENT RejectedReason (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ServiceLevel (#PCDATA)>
<!ELEMENT SubnetIP (#PCDATA)>
<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT TimeDelayRequested (#PCDATA)>
<!ELEMENT VCI (#PCDATA)>
<!ELEMENT VCIBoot (#PCDATA)>
<!ELEMENT VCIControl (#PCDATA)>
<!ELEMENT VCIVideo (#PCDATA)>
<!ELEMENT VCI_2 (#PCDATA)>
<!ELEMENT VCI_3 (#PCDATA)>
<!ELEMENT VCI_4 (#PCDATA)>
<!ELEMENT VCI_5 (#PCDATA)>
<!ELEMENT VPI (#PCDATA)>
<!ELEMENT VPIBootControl (#PCDATA)>
<!ELEMENT VPIVideo (#PCDATA)>
<!ELEMENT VPI_2 (#PCDATA)>
<!ELEMENT VPI_3 (#PCDATA)>
<!ELEMENT VPI_4 (#PCDATA)>
<!ELEMENT VPI_5 (#PCDATA)>
<!ELEMENT VP_PSID (#PCDATA)>
<!ELEMENT VP_PSID_2 (#PCDATA)>
<!ELEMENT VP_PSID_3 (#PCDATA)>
<!ELEMENT VP_PSID_4 (#PCDATA)>
<!ELEMENT VP_PSID_5 (#PCDATA)>
<!ELEMENT XMLBatchNo (#PCDATA)>

Line Rate Synchronisation Report DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (ServiceID, NetworkID,
Product, *DownstreamMaximumStableRate*, *DownstreamFaultThresholdRate*, MaxStableRateResetStatus,
LineRateTimestamp, BIPUpdateTime, MaxDownstreamLineSpeedRequested, MaxUpstreamLineSpeedRequested,
UpstreamMaximumStableRate, UpstreamFaultThresholdRate))>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT DownstreamMaximumStableRate (#PCDATA)>
<!ELEMENT DownstreamFaultThresholdRate (#PCDATA)>
<!ELEMENT MaxStableRateResetStatus (#PCDATA)>
<!ELEMENT LineRateTimestamp (#PCDATA)>
<!ELEMENT BIPUpdateTime (#PCDATA)>
<!ELEMENT MaxDownstreamLineSpeedRequested (#PCDATA)>
<!ELEMENT MaxUpstreamLineSpeedRequested (#PCDATA)>
<!ELEMENT UpstreamMaximumStableRate (#PCDATA)>
<!ELEMENT UpstreamFaultThresholdRate (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>

Line Rate Change Delta Report DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (ServiceID, NetworkID,
Product, UpstreamLineRate, HeadlineRate-DownstreamLineRate, LineRateTimestamp,
Interleaved, AdvancedServiceIndicator**,** BIPUpdateTime, SyncRate, SyncTimestamp, BRASProfileName, *AccessTechnology*))>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT UpstreamLineRate (#PCDATA)>
<!ELEMENT HeadlineRate-DownstreamLineRate (#PCDATA)>
<!ELEMENT LineRateTimestamp (#PCDATA)>
<!ELEMENT Interleaved (#PCDATA)>

<!ELEMENT AdvancedServiceIndicator(#PCDATA)>
<!ELEMENT BIPUpdateTime (#PCDATA)>
<!ELEMENT SyncRate (#PCDATA)>
<!ELEMENT SyncTimestamp (#PCDATA)>
<!ELEMENT BRASProfileName (#PCDATA)>
<!ELEMENT AccessTechnology (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>

Service Profile Report DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (ServiceID, NetworkID,
Product, NoiseMarginReSet, RunMode, RunModeChanged,
Interleaved,ProfileChangeTime, BIPUpdateTime,StabilityOption-ServiceOption))>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT NoiseMarginReSet (#PCDATA)>
<!ELEMENT RunMode (#PCDATA)>
<!ELEMENT RunModeChanged (#PCDATA)>
<!ELEMENT Interleaved (#PCDATA)>
<!ELEMENT ProfileChangeTime (#PCDATA)>
<!ELEMENT BIPUpdateTime (#PCDATA)>
<!ELEMENT StabilityOption-ServiceOption (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>

Max End User Summary Report DTD

<!ELEMENT Report (DataRow+)>
<!ATTLIST Report Title CDATA #REQUIRED>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage)|(ServiceID,NetworkID,Product,UpstreamLineRate,HeadlineRate-
DownstreamLineRate,MaximumStableRate,

FaultThresholdRate, NoiseMarginReset, RunMode, Interleaved, BIPUpdateTime, SyncRate, SyncTimestamp, BRASProfile Name,StabilityOpiton-ServiceOption, TarfficWeighting, TechnologyType, MaxDownstreamLineSpeedRequested, MaxUpstreamLineSpeedRequested))>
<!ELEMENT ServiceID(#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT UpstreamLineRate(#PCDATA)>
<!ELEMENT HeadlineRate-DownstreamLineRate(#PCDATA)>
<!ELEMENT MaximumStableRate(#PCDATA)>
<!ELEMENT FaultThresholdRate(#PCDATA)>
<!ELEMENT NoiseMarginReset(#PCDATA)>
<!ELEMENT RunMode(#PCDATA)>
<!ELEMENT Interleaved(#PCDATA)>
<!ELEMENT BIPUpdateTime(#PCDATA)>
<!ELEMENT SyncRate(#PCDATA)>
<!ELEMENT SyncTimestamp(#PCDATA)>
<!ELEMENT BRASProfileName(#PCDATA)>
<!ELEMENT StabilityOpiton-ServiceOption(#PCDATA)>
<!ELEMENT TrafficWeighting(#PCDATA)>
<!ELEMENT TechnologyType(#PCDATA)>
<!ELEMENT MaxDownstreamLineSpeedRequested(#PCDATA)>
<!ELEMENT MaxUpstreamLineSpeedRequested (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>

The XML is functionally modified so that whenever an User queries for a WBC Service, it will display the attributes for 21 CN/WBC Profiles which includes both simple ADSL and ADSL2+ Profiles. The DTD will look like:

Max End User Summary Report DTD(when queried for WBC Service)

<!ELEMENT Report (DataRow+)>
<!ATTLIST Report Title CDATA #REQUIRED>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage)|(ServiceID,NetworkID,Product,UpstreamLineRate,HeadlineRate-DownstreamLineRate, *DownstreamMaximumStableRate,*

DownstreamFaultThresholdRate, Interleaved, DownstreamMinLineRate, DownstreamMinLineRateChange, DownstreamMaxLineRate, DownstreamMaxLineRateChange, DownstreamTargetMargin, DownstreamTargetMarginChange, DownstreamInterleaveMode, DownstreamInterleaveModeChange, DownstreamMinINP, DowsntreamMinINPChange, DowsntreamMaxDelay, DownstreamMaxDelayChange, UpstreamMinLineRate, UpstreamMinLineRateChange, UpstreamMaxLineRate, UpstreamMaxLineRateChange, UpstreamTargetMargin, UpstreamTargetMarginChange, UpstreamInterleaveMode, UpstreamInterleaveModeChange, UpstreamMinINP, UpstreamMinINPChange, UpstreamMaxDelay, UpstreamMaxDelayChange, AccessTechnology, AccessTechnologyType, BIPUpdateTime,SyncRate,SyncTimestamp,BRASProfile Name,StabilityOpiton-ServiceOption, TrafficWeighting, TechnologyType, MaxDownstreamLineSpeedRequested, MaxUpstreamLineSpeedRequested, *UpstreamMaximumStableRate, UpstreamFaultThresholdRate*))>
<!ELEMENT ServiceID(#PCDATA)>
<!ELEMENT (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT UpstreamLineRate(#PCDATA)>
<!ELEMENT HeadlineRate-DownstreamLineRate(#PCDATA)>
<!ELEMENT DownstreamMaximumStableRate (#PCDATA)>
<!ELEMENT DownstreamFaultThresholdRate (#PCDATA)>
<!ELEMENT Interleaved(#PCDATA)>
<!ELEMENT DownstreamMinLineRate(#PCDATA)>
<!ELEMENT DownstreamMinLineRateChange(#PCDATA)>
<!ELEMENT DownstreamMaxLineRate(#PCDATA)>
<!ELEMENT DownstreamMaxLineRateChange(#PCDATA)>
<!ELEMENT DownstreamTargetMargin(#PCDATA)>
<!ELEMENT DownstreamTargetMarginChange(#PCDATA)>
<!ELEMENT DownstreamInterleaveMode(#PCDATA)>
<!ELEMENT DownstreamInterleaveModeChange(#PCDATA)>
<!ELEMENT DownstreamMinINP(#PCDATA)>
<!ELEMENT DownstreamMinINPChange(#PCDATA)>
<!ELEMENT DowsntreamMaxDelay(#PCDATA)>
<!ELEMENT DowsntreamMaxDelayChange(#PCDATA)>
<!ELEMENT UpstreamMinLineRate(#PCDATA)>
<!ELEMENT UpstreamMinLineRateChange(#PCDATA)>
<!ELEMENT UpstreamMaxLineRate(#PCDATA)>
<!ELEMENT UpstreamMaxLineRateChange(#PCDATA)>
<!ELEMENT UpstreamTargetMargin(#PCDATA)>
<!ELEMENT UpstreamTargetMarginChange(#PCDATA)>

<!ELEMENT UpstreamInterleaveMode(#PCDATA)>
<!ELEMENT UpstreamInterleaveModeChange(#PCDATA)>
<!ELEMENT UpstreamMinINP(#PCDATA)>
<!ELEMENT UpstreamMinINPChange(#PCDATA)>
<!ELEMENT UpstreamMaxDelay(#PCDATA)>
<!ELEMENT UpstreamMaxDelayChange(#PCDATA)>
<!ELEMENT AccessTechnology(#PCDATA)>
<!ELEMENT AccessTechnologyChange(#PCDATA)>
<!ELEMENT BIPUpdateTime(#PCDATA)>
<!ELEMENT SyncRate(#PCDATA)>
<!ELEMENT SyncTimestamp(#PCDATA)>
<!ELEMENT BRASProfileName(#PCDATA)>
<!ELEMENT StabilityOpiton-ServiceOption(#PCDATA)>
<!ELEMENT TrafficWeighting(#PCDATA)>
<!ELEMENT TechnologyType(#PCDATA)>
<!ELEMENT MaxDownstreamLineSpeedRequested(#PCDATA)>
<!ELEMENT MaxUpstreamLineSpeedRequested (#PCDATA)>
<!ELEMENT UpstreamMaximumStableRate (#PCDATA)>
<!ELEMENT UpstreamFaultThresholdRate (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>

DSL Max Capped Circuit Report DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (ServiceID, NetworkID, Capped Reason, HeadlineRate-DownstreamLineRate, ProfileUpdateTimeStamp, BIPUpdateTime))>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT CappedReason (#PCDATA)>
<!ELEMENT HeadlineRate-DownstreamLineRate (#PCDATA)>
<!ELEMENT ProfileUpdateTimeStamp (#PCDATA)>
<!ELEMENT BIPUpdateTime (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>

DSL Max Service Option Report DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (ServiceID, NetworkID, StabilityOption-ServiceOption, ServiceOptionStatus, ServiceOptionUpdateTimeStamp, *DownstreamMaximumStableRate, DownstreamFaultThresholdRate*, RunMode, Interleaved, TrafficWeighting, TechnologyType, *UpstreamMaximumStableRate, UpstreamFaultThresholdRate*))>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT StabilityOption-ServiceOption (#PCDATA)>
<!ELEMENT ServiceOptionStatus (#PCDATA)>
<!ELEMENT ServiceOptionUpdateTimestamp (#PCDATA)>
<!ELEMENT DownstreamMaximumStableRate (#PCDATA)>
<!ELEMENT DownstreamFaultThresholdRate (#PCDATA)>
<!ELEMENT RunMode (#PCDATA)>
<!ELEMENT Interleaved (#PCDATA)>
<!ELEMENT TrafficWeighting (#PCDATA)>
<!ELEMENT TechnologyType(#PCDATA)>
<!ELEMENT UpstreamMaximumStableRate (#PCDATA)>
<!ELEMENT UpstreamFaultThresholdRate (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>

Session Request Per SP DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (SequenceNumber, BatchDate, TransactionID, RequestType, ProductServiceID, NetworkID,ServiceProvider, ActionDate, SuccessCode, ReasonCode, ReasonDescription, ProductName, VPPSID, PolicyRequested, PolicyRemoved, PolicyApplied, StartTimeRequested, EndTimeAnticipated, StartTimeActual, EndTimeActual,ExchangeName))>
<!ELEMENT SequenceNumber (#PCDATA)>
<!ELEMENT BatchDate (#PCDATA)>
<!ELEMENT TransactionID (#PCDATA)>
<!ELEMENT RequestType (#PCDATA)>

<!ELEMENT ProductServiceID (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT ServiceProvider (#PCDATA)>
<!ELEMENT ActionDate (#PCDATA)>
<!ELEMENT SuccessCode (#PCDATA)>
<!ELEMENT ReasonCode (#PCDATA)>
<!ELEMENT ReasonDescription (#PCDATA)>
<!ELEMENT ProductName(#PCDATA)>
<!ELEMENT VPPSID (#PCDATA)>
<!ELEMENT PolicyRequested(#PCDATA)>
<!ELEMENT PolicyRemoved(#PCDATA)>
<!ELEMENT PolicyApplied (#PCDATA)>
<!ELEMENT StartTimeRequested(#PCDATA)>
<!ELEMENT EndTimeAnticipated(#PCDATA)>
<!ELEMENT StartTimeActual(#PCDATA)>
<!ELEMENT EndTimeActual (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>

Billing Transaction XML DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (
ServiceProviderID,TrasactionID,ServiceID,ActionDate,Duration,PolicyRequested,StartTimeRequested,EndTimeAnticipated,StartTi
meActual,EndTimeActual,RequestType,ReasonCode,SessionIdentifier)>
<!ELEMENT ServiceProviderID (#PCDATA)>
<!ELEMENT TrasactionID (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ActionDate(#PCDATA)>
<!ELEMENT Duration(#PCDATA)>
<!ELEMENT PolicyRequested (#PCDATA)>
<!ELEMENT StartTimeRequested (#PCDATA)>
<!ELEMENT EndTimeAnticipated (#PCDATA)>
<!ELEMENT StartTimeActual(#PCDATA)>

<!ELEMENT EndTimeActual(#PCDATA)>
<!ELEMENT RequestType(#PCDATA)>
<!ELEMENT ReasonCode(#PCDATA)>
<!ELEMENT SessionIdentifier (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>

Bandwidth per SP XML DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (
hour0,hour1,hour2,hour3,hour4,hour5,hour6,hour7,hour8,hour9,hour10,hour11,hour12,hour13,hour14,hour15,hour16,hour17,hour1
8,hour19,hour20,hour21,hour22,hour23))>
<!ELEMENT hour0 (#PCDATA)>
<!ELEMENT hour1(#PCDATA)>
<!ELEMENT hour2 (#PCDATA)>
<!ELEMENT hour3 (#PCDATA)>
<!ELEMENT hour4 (#PCDATA)>
<!ELEMENT hour5 (#PCDATA)>
<!ELEMENT hour6 (#PCDATA)>
<!ELEMENT hour7 (#PCDATA)>
<!ELEMENT hour8 (#PCDATA)>
<!ELEMENT hour9 (#PCDATA)>
<!ELEMENT hour10 (#PCDATA)>
<!ELEMENT hour11(#PCDATA)>
<!ELEMENT hour12 (#PCDATA)>
<!ELEMENT hour13 (#PCDATA)>
<!ELEMENT hour14 (#PCDATA)>
<!ELEMENT hour15 (#PCDATA)>
<!ELEMENT hour16 (#PCDATA)>
<!ELEMENT hour17 (#PCDATA)>
<!ELEMENT hour18 (#PCDATA)>
<!ELEMENT hour19 (#PCDATA)>
<!ELEMENT hour20 (#PCDATA)>
<!ELEMENT hour21 (#PCDATA)>

<!ELEMENT hour22 (#PCDATA)>
<!ELEMENT hour23 (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>

SP Billing Exception Date Search XML DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) |
(SequenceNumber,TransactionID,RequestType,ProductServiceID,ServiceProviderName,ActionDate,SuccessCode,ReasonCode,S
essionIdentifier,PolicyRequested,StartTimeRequested,EndTimeAnticipated,StartTimeActual,EndTimeActual,ExceptionCode,Except
ionDescription,DateOfError,ProductName,UpdateTimestamp,BIPErrorDesc))>
<!ELEMENT SequenceNumber (#PCDATA)>
<!ELEMENT TransactionID (#PCDATA)>
<!ELEMENT RequestType (#PCDATA)>
<!ELEMENT ProductServiceID (#PCDATA)>
<!ELEMENT ServiceProviderName (#PCDATA)>
<!ELEMENT ActionDate (#PCDATA)>
<!ELEMENT SuccessCode (#PCDATA)>
<!ELEMENT ReasonCode (#PCDATA)>
<!ELEMENT SessionIdentifier (#PCDATA)>
<!ELEMENT PolicyRequested (#PCDATA)>
<!ELEMENT StartTimeRequested (#PCDATA)>
<!ELEMENT EndTimeAnticipated (#PCDATA)>
<!ELEMENT StartTimeActual (#PCDATA)>
<!ELEMENT EndTimeActual (#PCDATA)>
<!ELEMENT ExceptionCode (#PCDATA)>
<!ELEMENT ExceptionDescription (#PCDATA)>
<!ELEMENT DateOfError (#PCDATA)>
<!ELEMENT ProductName (#PCDATA)>
<!ELEMENT UpdateTimestamp (#PCDATA)>
<!ELEMENT BIPErrorDesc (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>

Fault Delta Dates XML V2 DTD

The following DTD is for ADLS/SDSL Fault.

```
<!ELEMENT Report ( DataRow+ ) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT CaseId (#PCDATA)>
<!ELEMENT ClosedDate (#PCDATA)>
<!ELEMENT CustomerId (#PCDATA)>
<!ELEMENT CustomerNotes (#PCDATA)>
<!ELEMENT CustomerReference (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (CaseId, ClosedDate, CustomerId, CustomerNotes, CustomerReference,
EndUserFirstName, EndUserLastName, ETLCreateDate, ETLUpdateDate, ExchangeName, FaultClear, FaultDetail, FaultReason,
FaultSource, FaultStatus, FaultWith, InstalledDate, NetworkID, ReportedDate, ServiceID, ServiceLevel, TelephoneNumber,
TotalOST, RepeatELF, Policy, TransactionID, NetworkType,ParkTime))>
<!ELEMENT EndUserFirstName (#PCDATA)>
<!ELEMENT EndUserLastName (#PCDATA)>
<!ELEMENT ETLCreateDate (#PCDATA)>
<!ELEMENT ETLUpdateDate (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FaultClear (#PCDATA)>
<!ELEMENT FaultDetail (#PCDATA)>
<!ELEMENT FaultReason (#PCDATA)>
<!ELEMENT FaultSource (#PCDATA)>
<!ELEMENT FaultStatus (#PCDATA)>
<!ELEMENT FaultWith (#PCDATA)>
<!ELEMENT InstalledDate (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT ReportedDate (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ServiceLevel (#PCDATA)>
<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT TotalOST (#PCDATA)>
<!ELEMENT RepeatELF (#PCDATA)>
<!ELEMENT Policy (#PCDATA)>
```

<!ELEMENT TransactionID (#PCDATA)>
<!ELEMENT NetworkType (#PCDATA)>
<!ELEMENT ParkTime (#PCDATA)>

Fault Delta Dates XML DTD – This will be phased out after 3 months.

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT CaseId (#PCDATA)>
<!ELEMENT ClosedDate (#PCDATA)>
<!ELEMENT CustomerId (#PCDATA)>
<!ELEMENT CustomerNotes (#PCDATA)>
<!ELEMENT CustomerReference (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (CaseId, ClosedDate, CustomerId, CustomerNotes, CustomerReference, EndUserFirstName, EndUserLastName, ETLCreateDate, ETLUpdateDate, ExchangeName, FaultClear, FaultDetail, FaultReason, FaultSource, FaultStatus, FaultWith, InstalledDate, NetworkID, ReportedDate, ServiceID, ServiceLevel, TelephoneNumber, TotalOST, RepeatELF))>
<!ELEMENT ETLCreateDate (#PCDATA)>
<!ELEMENT ETLUpdateDate (#PCDATA)>
<!ELEMENT EndUserFirstName (#PCDATA)>
<!ELEMENT EndUserLastName (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FaultClear (#PCDATA)>
<!ELEMENT FaultDetail (#PCDATA)>
<!ELEMENT FaultReason (#PCDATA)>
<!ELEMENT FaultSource (#PCDATA)>
<!ELEMENT FaultStatus (#PCDATA)>
<!ELEMENT FaultWith (#PCDATA)>
<!ELEMENT InstalledDate (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT RepeatELF (#PCDATA)>
<!ELEMENT ReportedDate (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ServiceLevel (#PCDATA)>

<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT TotalOST (#PCDATA)>

MSO Fault XML DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (Reference, RaiseDate, ExchangeName, ClearDate, ClearReason,ServiceId, CaseId, ServiceProvider, CBUK, DetectedDate)) >
<!ATTLIST DataRow Record CDATA #REQUIRED >
<!ELEMENT CBUK (#PCDATA) >
<!ELEMENT CaseId (#PCDATA) >
<!ELEMENT ClearDate (#PCDATA) >
<!ELEMENT ClearReason (#PCDATA) >
<!ELEMENT DetectedDate (#PCDATA) >
<!ELEMENT ErrorCode (#PCDATA) >
<!ELEMENT ErrorMessage (#PCDATA) >
<!ELEMENT ExchangeName (#PCDATA) >
<!ELEMENT RaiseDate (#PCDATA) >
<!ELEMENT Reference (#PCDATA) >
<!ELEMENT ServiceId (#PCDATA) >
<!ELEMENT ServiceProvider (#PCDATA) >

For WBC/21 CN Circuits:

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (Reference, RaiseDate, ExchangeName, ClearDate, ClearReason,ServiceId, CaseId, ServiceProvider, DetectedDate)) >
<!ATTLIST DataRow Record CDATA #REQUIRED >
<!ELEMENT CaseId (#PCDATA) >
<!ELEMENT ClearDate (#PCDATA) >
<!ELEMENT ClearReason (#PCDATA) >
<!ELEMENT DetectedDate (#PCDATA) >
<!ELEMENT ErrorCode (#PCDATA) >
<!ELEMENT ErrorMessage (#PCDATA) >

<!ELEMENT ExchangeName (#PCDATA) >
<!ELEMENT RaiseDate (#PCDATA) >
<!ELEMENT Reference (#PCDATA) >
<!ELEMENT ServiceId (#PCDATA) >
<!ELEMENT ServiceProvider (#PCDATA) >

Service Activity Notice XML DTD

<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT CaseId (#PCDATA)>
<!ELEMENT ClearDate (#PCDATA)>
<!ELEMENT ClearReason (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (NetworkID | CaseId | ClearDate | ClearReason | EMUNumber |
EndUserImpact | EngineerNotes | ExchangeName | FinishDate | Message | Outage |
OutageTime | MSONumber | DetectedDate | RaiseDate | PEWNumber | ServiceId | ServiceProvider | StartDate)*>
<!ATTLIST DataRow Record CDATA #REQUIRED>
<!ELEMENT EMU (DataRow)>
<!ELEMENT EMUNumber (#PCDATA)>
<!ELEMENT EngineerNotes (#PCDATA)>
<!ELEMENT EndUserImpact (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FinishDate (#PCDATA)>
<!ELEMENT MSO (DataRow)>
<!ELEMENT Message (#PCDATA)>
<!ELEMENT Outage (#PCDATA)>
<!ELEMENT OutageTime (#PCDATA)>
<!ELEMENT MSONumber (#PCDATA)>
<!ELEMENT DetectedDate (#PCDATA)>
<!ELEMENT PEW (DataRow+)>
<!ELEMENT RaiseDate (#PCDATA)>
<!ELEMENT PEWNumber (#PCDATA)>
<!ELEMENT Report (MSO, PEW, EMU)>
<!ATTLIST Report Title CDATA #REQUIRED>
<!ELEMENT ServiceId (#PCDATA)>

<!ELEMENT ServiceProvider (#PCDATA)>
<!ELEMENT StartDate (#PCDATA)>

For WBC/21 CN Circuits:

<!ELEMENT CaseId (#PCDATA)>
<!ELEMENT ClearDate (#PCDATA)>
<!ELEMENT ClearReason (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (CaseId | ClearDate | ClearReason | EMUNumber | EndUserImpact |
EngineerNotes | ExchangeName | FinishDate | Message | Outage |
OutageTime | RaiseDate | Reference | ServiceId | ServiceProvider | StartDate)*>
<!ATTLIST DataRow Record CDATA #REQUIRED>
<!ELEMENT EMU (DataRow)>
<!ELEMENT EMUNumber (#PCDATA)>
<!ELEMENT EndUserImpact (#PCDATA)>
<!ELEMENT EngineerNotes (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FinishDate (#PCDATA)>
<!ELEMENT MSO (DataRow)>
<!ELEMENT Message (#PCDATA)>
<!ELEMENT Outage (#PCDATA)>
<!ELEMENT OutageTime (#PCDATA)>
<!ELEMENT PEW (DataRow+)>
<!ELEMENT RaiseDate (#PCDATA)>
<!ELEMENT Reference (#PCDATA)>
<!ELEMENT Report (MSO, PEW, EMU)>
<!ATTLIST Report Title CDATA #REQUIRED>
<!ELEMENT ServiceId (#PCDATA)>
<!ELEMENT ServiceProvider (#PCDATA)>
<!ELEMENT StartDate (#PCDATA)>

MSO ByReference XML DTD

<!ELEMENT CBUK (#PCDATA) >
<!ELEMENT CaseId (#PCDATA) >
<!ELEMENT CircuitsAffected (DataRow+) >
<!ELEMENT ClearDate (#PCDATA) >
<!ELEMENT ClearReason (#PCDATA) >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (CBUK | CaseId | ClearDate | ClearReason | DetectedDate | ExchangeName | NumCircuitsAffected | RaiseDate | Record | Reference | ServiceId | ServiceProvider)>
<!ELEMENT DetectedDate (#PCDATA) >
<!ELEMENT ErrorCode (#PCDATA) >
<!ELEMENT ErrorMessage (#PCDATA) >
<!ELEMENT ExchangeName (#PCDATA) >
<!ELEMENT NumCircuitsAffected (#PCDATA) >
<!ELEMENT RaiseDate (#PCDATA) >
<!ELEMENT Record (#PCDATA) >
<!ELEMENT Reference (#PCDATA) >
<!ELEMENT Report (DataRow, CircuitsAffected) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT ServiceId (#PCDATA) >
<!ELEMENT ServiceProvider (#PCDATA) >

For WBC/21 CN Circuits:

<!ELEMENT CaseId (#PCDATA) >
<!ELEMENT CircuitsAffected (DataRow+) >
<!ELEMENT ClearDate (#PCDATA) >
<!ELEMENT ClearReason (#PCDATA) >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (CaseId | ClearDate | ClearReason | DetectedDate | ExchangeName | NumCircuitsAffected | RaiseDate | Record | Reference | ServiceId | ServiceProvider)>
<!ELEMENT DetectedDate (#PCDATA) >
<!ELEMENT ErrorCode (#PCDATA) >
<!ELEMENT ErrorMessage (#PCDATA) >
<!ELEMENT ExchangeName (#PCDATA) >
<!ELEMENT NumCircuitsAffected (#PCDATA) >
<!ELEMENT RaiseDate (#PCDATA) >
<!ELEMENT Record (#PCDATA) >
<!ELEMENT Reference (#PCDATA) >

```
<!ELEMENT Report ( DataRow, CircuitsAffected ) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT ServiceId ( #PCDATA ) >
<!ELEMENT ServiceProvider ( #PCDATA ) >
```

Lost Migration Report V4 DTD

```
<!ELEMENT Report ( DataRow+ ) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (OriginalCustomerName, ServiceID, NetworkID, MACKey,
Product, TelephoneNumber, CompletionDate, CustomerAgreedDate, CancelledDate,CeaseType,ProvideType) >
<!ELEMENT OriginalCustomerName (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT MACKey (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CustomerAgreedDate (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CeaseType (#PCDATA)>
<!ELEMENT ProvideType (#PCDATA)>
```

Lost Migration Report V3 DTD

```
<!ELEMENT Report ( DataRow+ ) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (OriginalCustomerName, ServiceID, NetworkID, MACKey, Product,
      TelephoneNumber, CompletionDate, CustomerAgreedDate, CancelledDate ) >
<!ELEMENT OriginalCustomerName (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT MACKey (#PCDATA)>
```

```
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CustomerAgreedDate (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
```

Lost Migration Report V2 DTD – This report will be phased out after 01Sept'06.

```
<!ELEMENT Report ( DataRow+ ) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (OriginalCustomerName, ServiceID, NetworkID, Product, TelephoneNumber,
    CompletionDate, CustomerAgreedDate, CancelledDate ) >
<!ELEMENT OriginalCustomerName (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CustomerAgreedDate (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
```

Lost Migration Report DTD – This will be phased out in 3 months from June'05.

```
<!ELEMENT Report ( DataRow+ ) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (OriginalCustomerName, ServiceID, NetworkID, Product, TelephoneNumber,
    CompletionDate ) >
<!ELEMENT OriginalCustomerName (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
```

<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>

PEW XML DTD

For 20 CN Circuits:

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (StartDate, FinishDate, PEWNumber, OutageTime, Message, ServiceID, NetworkID, TelephoneNumber, DSLAM,MSAN, ExchangeName) >
<!ATTLIST DataRow Record CDATA #REQUIRED >
<!ELEMENT StartDate (#PCDATA) >
<!ELEMENT FinishDate (#PCDATA) >
<!ELEMENT PEWNumber (#PCDATA) >
<!ELEMENT OutageTime (#PCDATA) >
<!ELEMENT Message (#PCDATA) >
<!ELEMENT ServiceID (#PCDATA) >
<!ELEMENT NetworkID (#PCDATA) >
<!ELEMENT TelephoneNumber (#PCDATA) >
<!ELEMENT DSLAM (#PCDATA) >
<!ELEMENT MSAN(#PCDATA) >
<!ELEMENT ExchangeName (#PCDATA) >
<!ELEMENT ErrorCode (#PCDATA) >
<!ELEMENT ErrorMessage (#PCDATA) >

For WBC/21 CN Circuits:

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (StartDate, FinishDate, PEWNumber, OutageTime, Message, ServiceID, DSLAM,MSAN, ExchangeName) >
<!ATTLIST DataRow Record CDATA #REQUIRED >
<!ELEMENT StartDate (#PCDATA) >
<!ELEMENT FinishDate (#PCDATA) >
<!ELEMENT PEWNumber (#PCDATA) >

<!ELEMENT OutageTime (#PCDATA) >
<!ELEMENT Message (#PCDATA) >
<!ELEMENT ServiceID (#PCDATA) >
<!ELEMENT DSLAM (#PCDATA) >
<!ELEMENT MSAN(#PCDATA) >
<!ELEMENT ExchangeName (#PCDATA) >
<!ELEMENT ErrorCode (#PCDATA) >
<!ELEMENT ErrorMessage (#PCDATA) >

WBC/21 CN CIRCUIT MOVE DETAIL XML DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) |
(NetworkID,ServiceID,ScheduledCompletionDate,ActualCompletionDate,CustomerReferenceNumber,Status,Notes) >
<!ATTLIST DataRow Record CDATA #REQUIRED >
<!ELEMENT NetworkID (#PCDATA) >
<!ELEMENT ServiceID (#PCDATA) >
<!ELEMENT ScheduledCompletionDate (#PCDATA) >
<!ELEMENT ActualCompletionDate (#PCDATA) >
<!ELEMENT CustomerReferenceNumber (#PCDATA) >
<!ELEMENT Status (#PCDATA) >
<!ELEMENT Notes (#PCDATA) >

AS ENABLED EXTERNAL XML DTD

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (ASEnabledUsers, Count, Percentage) >
<!ATTLIST DataRow Record CDATA #REQUIRED >
<!ELEMENT ASEnabledUsers (#PCDATA) >
<!ELEMENT Count (#PCDATA) >
<!ELEMENT Percentage (#PCDATA) >

INVENTORY DETAIL XML DTD

```
<!ELEMENT Report ( DataRow+ ) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) |
 (ServiceID,NetworkID, InstallationDN, SP-requestedPolicy, DateTimeRecordLastUpdatedInBIP,
PolicyLastUpdatedDateTime,PolicyLastUpdatedThrough ) >
<!ATTLIST DataRow Record CDATA #REQUIRED >
<!ELEMENT ServiceID ( #PCDATA ) >
<!ELEMENT NetworkID ( #PCDATA ) >
<!ELEMENT InstallationDN ( #PCDATA ) >
<!ELEMENT SP-requestedPolicy ( #PCDATA ) >
<!ELEMENT DateTimeRecordLastUpdatedInBIP( #PCDATA ) >
<!ELEMENT PolicyLastUpdatedDateTime( #PCDATA ) >
<!ELEMENT PolicyLastUpdatedThrough( #PCDATA ) >
```

WBC XML

Order Delta GM Dates XML V4 DTD

The following DTD is for EUA Orders.

```
<!ELEMENT Report ( DataRow+ ) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT CustomerBillingAccount (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CancelledReason (#PCDATA)>
<!ELEMENT CeaseType (#PCDATA)>
<!ELEMENT ContractualDeliveryDate (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CreatedDate (#PCDATA)>
<!ELEMENT CustAppDate (#PCDATA)>
<!ELEMENT CustAppointmentSlot (#PCDATA)>
<!ELEMENT CustomerPtomisedDate (#PCDATA)>
<!ELEMENT CustomerEnquiryDate (#PCDATA)>
<!ELEMENT CustomerGroupName (#PCDATA)>
<!ELEMENT CustomerNotes (#PCDATA)>
```

<!ELEMENT CustomerOrderReference (#PCDATA)>
<!ELEMENT CustomerRequiredDate (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (DN, ServiceID,OrderId, PlannedCapacityResolutionDate,Product,
OrderStatus, LineItemStatus, CustomerPromisedDate, CustAppDate, CustAppointmentSlot, ContractulaDeliveryDate,
CompletionDate, DelayStatus, DelayReason, CancelledReason, CancelledDate, CustomerNotes, CustomerGroupName,
EUContactNo, EUPremises, LineItemType,EUThroughfareName, EUThroughfareNo, EUPostTown, EUPostCode, CreatedDate,
MigrationAuthorisationCode, ReceivedDate, OriginalDeliveryDate, CustomerRequiredDate, CRDAmendReason, RejectedReason,
DelayCategory, TimeDelayRequested, CustomerBillingAccount, ServiceLevelOrMaintenanceCategory, ExchangeCode,
ExchangeName, XMLBatchNo,EndUserFirstName, EndUserLastName, CustomerOrderReference,ETLCreateDate,
ETLUpdateDate, EPSVLANID, OldProduct, VP_PSID, VPI_2, VPI_3, VPI_4, VPI_5, ProductSubType, AdvancedServicesOptIn,
Interleaving, ProvideType, CeaseType, ProvisionOnCease, CustomerEnquiryDate, CombinedOrderReference, ReviewDate,
NetworkType, EPSVLANID, StabilityOption, AccessTechnology, Downstream, Upstream,
TrafficWeighting,IntermediateAgent,CustomerLineItemReference,CurrentKCIMessage, OriginalServiceID))>
<!ELEMENT DelayCategory (#PCDATA)>
<!ELEMENT DelayReason (#PCDATA)>
<!ELEMENT DelayStatus (#PCDATA)>
<!ELEMENT EPSVLANID (#PCDATA)>
<!ELEMENT ETLCreateDate (#PCDATA)>
<!ELEMENT ETLUpdateDate (#PCDATA)>
<!ELEMENT EUContactNo (#PCDATA)>
<!ELEMENT EUPostCode (#PCDATA)>
<!ELEMENT EUPostTown (#PCDATA)>
<!ELEMENT EUPremises (#PCDATA)>
<!ELEMENT EUThroughfareName (#PCDATA)>
<!ELEMENT EUThroughfareNo (#PCDATA)>
<!ELEMENT EndUserFirstName (#PCDATA)>
<!ELEMENT EndUserLastName (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeCode (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FlowPointIP (#PCDATA)>
<!ELEMENT Interleaving (#PCDATA)>
<!ELEMENT LineItemStatus (#PCDATA)>
<!ELEMENT MigrationAuthorisationCode (#PCDATA)>
<!ELEMENT NetworkType (#PCDATA)>

<!ELEMENT OldProduct (#PCDATA)>
<!ELEMENT CombinedOrderReference (#PCDATA)>
<!ELEMENT OrderId (#PCDATA)>
<!ELEMENT OrderStatus (#PCDATA)>
<!ELEMENT LineItemType (#PCDATA)>
<!ELEMENT OriginalDeliveryDate (#PCDATA)>
<!ELEMENT PlannedCapacityResolutionDate(#PCDATA)>
<!ELEMENT AdvancedServicesOptIn(#PCDATA)>
<!ELEMENT Product(#PCDATA)>
<!ELEMENT ProductSubType (#PCDATA)>
<!ELEMENT ProvideType (#PCDATA)>
<!ELEMENT ProvisionOnCease (#PCDATA)>
<!ELEMENT ReasonDateChange (#PCDATA)>
<!ELEMENT ReceivedDate (#PCDATA)>
<!ELEMENT RejectedReason (#PCDATA)>
<!ELEMENT ReviewDate (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ServiceLevelOrMaintenanceCategory (#PCDATA)>
<!ELEMENT SubnetIP (#PCDATA)>
<!ELEMENT DN (#PCDATA)>
<!ELEMENT TimeDelayRequested (#PCDATA)>
<!ELEMENT VPI_2 (#PCDATA)>
<!ELEMENT VPI_3 (#PCDATA)>
<!ELEMENT VPI_4 (#PCDATA)>
<!ELEMENT VPI_5 (#PCDATA)>
<!ELEMENT VP_PSID (#PCDATA)>
<!ELEMENT XMLBatchNo (#PCDATA)>
<!ELEMENT StabilityOption (#PCDATA)>
<!ELEMENT AccessTechnology(#PCDATA)>
<!ELEMENT Downstream(#PCDATA)>
<!ELEMENT Upstream (#PCDATA)>
<!ELEMENT TrafficWeighting (#PCDATA)>
<!ELEMENT CustomerLineItemReference (#PCDATA)>
<!ELEMENT CurrentKCIMessage(#PCDATA)>
<!ELEMENT IntermediateAgent(#PCDATA)>
<!ELEMENT OriginalServiceID (#PCDATA)>

The DTD for ADSL and SDSL Orders has been removed.

Order Delta GM Dates XML V5 DTD(when queried for EUA Orders)

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT CustomerBillingAccount (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CancelledReason (#PCDATA)>
<!ELEMENT CeaseType (#PCDATA)>
<!ELEMENT ContractualDeliveryDate (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CreatedDate (#PCDATA)>
<!ELEMENT CustAppDate (#PCDATA)>
<!ELEMENT CustAppointmentSlot (#PCDATA)>
<!ELEMENT CustomerPtomisedDate (#PCDATA)>
<!ELEMENT CustomerEnquiryDate (#PCDATA)>
<!ELEMENT CustomerGroupName (#PCDATA)>
<!ELEMENT CustomerNotes (#PCDATA)>
<!ELEMENT CustomerOrderReference (#PCDATA)>
<!ELEMENT CustomerRequiredDate (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (DN, ServiceID,OrderId, PlannedCapacityResolutionDate,Product, OrderStatus, LineItemStatus, CustomerPromisedDate, CustAppDate, CustAppointmentSlot, ContractulaDeliveryDate, CompletionDate, DelayStatus, DelayReason, CancelledReason, CancelledDate, CustomerNotes, CustomerGroupName, EUContactNo, EUPremises, LineItemType,EUThroughfareName, EUThroughfareNo, EUPostTown, EUPostCode, CreatedDate, MigrationAuthorisationCode, ReceivedDate, OriginalDeliveryDate, CustomerRequiredDate, CRDAmendReason, RejectedReason, DelayCategory, TimeDelayRequested, CustomerBillingAccount, ServiceLevelOrMaintenance Category, ExchangeCode, ExchangeName, XMLBatchNo,EndUserFirstName, EndUserLastName, CustomerOrderReference,ETLCreateDate, ETLUpdateDate, EPSVLANID, OldProduct, VP_PSID, VPI_2, VPI_3, VPI_4, VPI_5, ProductSubType, AdvancedServicesOptIn, Interleaving, ProvideType, CeaseType, ProvisionOnCease, CustomerEnquiryDate, CombinedOrderReference, ReviewDate, NetworkType, EPSVLANID, StabilityOption, AccessTechnology, Downstream, Upstream, TrafficWeighting,IntermediateAgent,CustomerLineItemReference,CurrentKCIMessage,OriginalServiceID,OrderLineNumber, ModifiedFTRCalc, FirstAppointmentDate, AgreedAppointmentDate, AppointmentStatus , AppointmentReason, CeaseReason, ONTPortID, ONTSerialNumber, RetailerID))>

<!ELEMENT DelayCategory (#PCDATA)>
<!ELEMENT DelayReason (#PCDATA)>
<!ELEMENT DelayStatus (#PCDATA)>
<!ELEMENT EPSVLANID (#PCDATA)>
<!ELEMENT ETLCreateDate (#PCDATA)>
<!ELEMENT ETLUpdateDate (#PCDATA)>
<!ELEMENT EUContactNo (#PCDATA)>
<!ELEMENT EUPostCode (#PCDATA)>
<!ELEMENT EUPostTown (#PCDATA)>
<!ELEMENT EUPremises (#PCDATA)>
<!ELEMENT EUThroughfareName (#PCDATA)>
<!ELEMENT EUThroughfareNo (#PCDATA)>
<!ELEMENT EndUserFirstName (#PCDATA)>
<!ELEMENT EndUserLastName (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeCode (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FlowPointIP (#PCDATA)>
<!ELEMENT Interleaving (#PCDATA)>
<!ELEMENT LineItemStatus (#PCDATA)>
<!ELEMENT MigrationAuthorisationCode (#PCDATA)>
<!ELEMENT NetworkType (#PCDATA)>
<!ELEMENT OldProduct (#PCDATA)>
<!ELEMENT CombinedOrderReference (#PCDATA)>
<!ELEMENT OrderId (#PCDATA)>
<!ELEMENT OrderStatus (#PCDATA)>
<!ELEMENT LineItemType (#PCDATA)>
<!ELEMENT OriginalDeliveryDate (#PCDATA)>
<!ELEMENT PlannedCapacityResolutionDate(#PCDATA)>
<!ELEMENT AdvancedServicesOptIn(#PCDATA)>
<!ELEMENT Product(#PCDATA)>
<!ELEMENT ProductSubType (#PCDATA)>
<!ELEMENT ProvideType (#PCDATA)>
<!ELEMENT ProvisionOnCease (#PCDATA)>
<!ELEMENT ReasonDateChange (#PCDATA)>

<!ELEMENT ReceivedDate (#PCDATA)>
<!ELEMENT RejectedReason (#PCDATA)>
<!ELEMENT ReviewDate (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ServiceLevelOrMaintenanceCategory (#PCDATA)>
<!ELEMENT SubnetIP (#PCDATA)>
<!ELEMENT DN (#PCDATA)>
<!ELEMENT TimeDelayRequested (#PCDATA)>
<!ELEMENT VPI_2 (#PCDATA)>
<!ELEMENT VPI_3 (#PCDATA)>
<!ELEMENT VPI_4 (#PCDATA)>
<!ELEMENT VPI_5 (#PCDATA)>
<!ELEMENT VP_PSID (#PCDATA)>
<!ELEMENT XMLBatchNo (#PCDATA)>
<!ELEMENT StabilityOption (#PCDATA)>
<!ELEMENT AccessTechnology(#PCDATA)>
<!ELEMENT Downstream(#PCDATA)>
<!ELEMENT Upstream (#PCDATA)>
<!ELEMENT TrafficWeighting (#PCDATA)>
<!ELEMENT CustomerLineItemReference (#PCDATA)>
<!ELEMENT CurrentKCIMessage(#PCDATA)>
<!ELEMENT IntermediateAgent(#PCDATA)>
<!ELEMENT OriginalServiceID (#PCDATA)>
<!ELEMENT OrderLineNumber (#PCDATA)>
<!ELEMENT ModifiedFTRCalc (#PCDATA)>
<!ELEMENT FirstAppointmentDate (#PCDATA)>
<!ELEMENT AgreedAppointmentDate (#PCDATA)>
<!ELEMENT AppointmentStatus (#PCDATA)>
<!ELEMENT AppointmentReason (#PCDATA)>
<!ELEMENT CeaseReason(#PCDATA)>
<!ELEMENT ONTPortID (#PCDATA)>
<!ELEMENT ONTSerialNumber (#PCDATA)>
<!ELEMENT RetailerID (#PCDATA)>

Order Delta GM Dates XML V5 DTD(when queried for ADSL or SDSL Orders)

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT BillingAccount (#PCDATA)>
<!ELEMENT CSAC (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CancelledReason (#PCDATA)>
<!ELEMENT CeaseType (#PCDATA)>
<!ELEMENT ChangeType (#PCDATA)>
<!ELEMENT CommittedDeliveryDate (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CreatedDate (#PCDATA)>
<!ELEMENT CustAppDate (#PCDATA)>
<!ELEMENT CustAppointmentSlot (#PCDATA)>
<!ELEMENT CustomerAgreedDate (#PCDATA)>
<!ELEMENT CustomerEnquiryDate (#PCDATA)>
<!ELEMENT CustomerName (#PCDATA)>
<!ELEMENT CustomerNotes (#PCDATA)>
<!ELEMENT CustomerReference (#PCDATA)>
<!ELEMENT CustomerRequiredDate (#PCDATA)>
<!ELEMENT DHCPRange1 (#PCDATA)>
<!ELEMENT DHCPRange2 (#PCDATA)>
<!ELEMENT DHCPRequired (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (TelephoneNumber, ServiceID, NetworkID, OrderNumber, PlannedCapacityResolutionDate,Product, OrderStatus, LineItemSubStatus, LineTest, CustomerAgreedDate, CustAppDate, CustAppointmentSlot, CommittedDeliveryDate, CompletionDate, DelayStatus, DelayReason, CancelledReason, CancelledDate, CustomerNotes, CustomerName, EUContactNo, EUPremises, EUThroughfareName, EUThroughfareNo, EUPostTown, EUPostCode, CreatedDate, MACKey, NetworkAvailableDate, ReceivedDate, OriginalDeliveryDate, CustomerRequiredDate, ReasonDateChange, RejectedReason, DelayCategory, TimeDelayRequested, BillingAccount, ServiceLevel, CSAC, ExchangeCode, ExchangeName, VCI, VCIControl, VCIBoot, VCIVideo, VPI, VPIBootControl, VPIVideo, XMLBatchNo,EndUserFirstName, EndUserLastName, CustomerReference, OldNetworkID, ETLCreateDate, ETLUpdateDate, DomainName1, DomainName2, DomainName3, DomainName4, DomainName5,OldProduct, OrderType, ChangeType, VP_PSID, VCI_2, VPI_2, VP_PSID_2, VCI_3, VPI_3, VP_PSID_3, VCI_4, VPI_4, VP_PSID_4, VCI_5, VPI_5, VP_PSID_5, PackageRef, PackageDescription, ProductSubType, PAT_IP_Address, PATPortNo, PATProtocol, DHCPRequired, DHCPRange1,

DHCPRange2, FlowPointIP, SubnetIP, NATRequired, PATRequired, Policy, InterleavingPermissionFlag, ProvideType, CeaseType, ProvisionOnCease, CustomerEnquiryDate, OrderMatchingRef, ReviewDate, NetworkType, NametheDay, OriginalServiceID, SupplierNotes,OrderLineNumber))>
<!ELEMENT DelayCategory (#PCDATA)>
<!ELEMENT DelayReason (#PCDATA)>
<!ELEMENT DelayStatus (#PCDATA)>
<!ELEMENT DomainName1 (#PCDATA)>
<!ELEMENT DomainName2 (#PCDATA)>
<!ELEMENT DomainName3 (#PCDATA)>
<!ELEMENT DomainName4 (#PCDATA)>
<!ELEMENT DomainName5 (#PCDATA)>
<!ELEMENT ETLCreateDate (#PCDATA)>
<!ELEMENT ETLUpdateDate (#PCDATA)>
<!ELEMENT EUContactNo (#PCDATA)>
<!ELEMENT EUPostCode (#PCDATA)>
<!ELEMENT EUPostTown (#PCDATA)>
<!ELEMENT EUPremises (#PCDATA)>
<!ELEMENT EUThroughfareName (#PCDATA)>
<!ELEMENT EUThroughfareNo (#PCDATA)>
<!ELEMENT EndUserFirstName (#PCDATA)>
<!ELEMENT EndUserLastName (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeCode (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FlowPointIP (#PCDATA)>
<!ELEMENT InterleavingPermissionFlag (#PCDATA)>
<!ELEMENT LineItemSubStatus (#PCDATA)>
<!ELEMENT LineTest (#PCDATA)>
<!ELEMENT MACKey (#PCDATA)>
<!ELEMENT NATRequired (#PCDATA)>
<!ELEMENT NetworkAvailableDate (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT NetworkType (#PCDATA)>
<!ELEMENT OldProduct (#PCDATA)>
<!ELEMENT OldNetworkID(#PCDATA)>

<!ELEMENT OrderMatchingRef (#PCDATA)>
<!ELEMENT OrderNumber (#PCDATA)>
<!ELEMENT OrderStatus (#PCDATA)>
<!ELEMENT OrderType (#PCDATA)>
<!ELEMENT OriginalDeliveryDate (#PCDATA)>
<!ELEMENT PATPortNo (#PCDATA)>
<!ELEMENT PATProtocol (#PCDATA)>
<!ELEMENT PATRequired (#PCDATA)>
<!ELEMENT PAT_IP_Address (#PCDATA)>
<!ELEMENT PackageDescription (#PCDATA)>
<!ELEMENT PackageRef (#PCDATA)>
<!ELEMENT PlannedCapacityResolutionDate(#PCDATA)>
<!ELEMENT Policy (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT ProductSubType (#PCDATA)>
<!ELEMENT ProvideType (#PCDATA)>
<!ELEMENT ProvisionOnCease (#PCDATA)>
<!ELEMENT ReasonDateChange (#PCDATA)>
<!ELEMENT ReceivedDate (#PCDATA)>
<!ELEMENT RejectedReason (#PCDATA)>
<!ELEMENT ReviewDate (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ServiceLevel (#PCDATA)>
<!ELEMENT SubnetIP (#PCDATA)>
<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT TimeDelayRequested (#PCDATA)>
<!ELEMENT VCI (#PCDATA)>
<!ELEMENT VCIBoot (#PCDATA)>
<!ELEMENT VCIControl (#PCDATA)>
<!ELEMENT VCIVideo (#PCDATA)>
<!ELEMENT VCI_2 (#PCDATA)>
<!ELEMENT VCI_3 (#PCDATA)>
<!ELEMENT VCI_4 (#PCDATA)>
<!ELEMENT VCI_5 (#PCDATA)>
<!ELEMENT VPI (#PCDATA)>
<!ELEMENT VPIBootControl (#PCDATA)>

<!ELEMENT VPIVideo (#PCDATA)>
<!ELEMENT VPI_2 (#PCDATA)>
<!ELEMENT VPI_3 (#PCDATA)>
<!ELEMENT VPI_4 (#PCDATA)>
<!ELEMENT VPI_5 (#PCDATA)>
<!ELEMENT VP_PSID (#PCDATA)>
<!ELEMENT VP_PSID_2 (#PCDATA)>
<!ELEMENT VP_PSID_3 (#PCDATA)>
<!ELEMENT VP_PSID_4 (#PCDATA)>
<!ELEMENT VP_PSID_5 (#PCDATA)>
<!ELEMENT XMLBatchNo (#PCDATA)>
<!ELEMENT NametheDay (#PCDATA)>
<!ELEMENT OriginalServiceID (#PCDATA)>
<!ELEMENT SupplierNotes (#PCDATA)>
<!ELEMENT OrderLineNumber (#PCDATA)>

Order Delta GM Dates XML V5 DTD(when queried for both 20CN and 21CN Circuit Orders)

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT CustomerBillingAccount (#PCDATA)>
<!ELEMENT CSAC (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CancelledReason (#PCDATA)>
<!ELEMENT CeaseType (#PCDATA)>
<!ELEMENT ChangeType (#PCDATA)>
<!ELEMENT ContractualDeliveryDate (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CreatedDate (#PCDATA)>
<!ELEMENT CustAppDate (#PCDATA)>
<!ELEMENT CustAppointmentSlot (#PCDATA)>
<!ELEMENT CustomerPromisedDate (#PCDATA)>
<!ELEMENT CustomerEnquiryDate (#PCDATA)>
<!ELEMENT CustomerGroupName (#PCDATA)>

<!ELEMENT CustomerNotes (#PCDATA)>
<!ELEMENT CustomerOrderReference (#PCDATA)>
<!ELEMENT CustomerRequiredDate (#PCDATA)>
<!ELEMENT DHCPRange1 (#PCDATA)>
<!ELEMENT DHCPRange2 (#PCDATA)>
<!ELEMENT DHCPRequired (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (DN, ServiceID, NetworkID, OrderID, PlannedCapacityResolutionDate, ProductName, OrderStatus, LineItemStatus, LineTest, CustomerPromisedDate, CustAppDate, CustAppointmentSlot, ContractualDeliveryDate, CompletionDate, DelayStatus, DelayReason, CancelledReason, CancelledDate, CustomerNotes, CustomerGroupName, EUContactNo, EUPremises, EUThroughfareName, EUThroughfareNo, EUPostTown, EUPostCode, CreatedDate, MigrationAuthorisationCode, NetworkAvailableDate, ReceivedDate, OriginalDeliveryDate, CustomerRequiredDate, CRDAmendReason,RejectedReason,DelayCategory,TimeDelayRequested,CustomerBillingAccount, ServiceLevelOrMaintenanceCategory,CSAC, ExchangeCode, ExchangeName, VCI, VCIControl, VCIBoot, VCIVideo, VPI, VPIBootControl, VPIVideo, XMLBatchNo,EndUserFirstName, EndUserLastName, CustomerOrderReference, OldNetworkID, ETLCreateDate, ETLUpdateDate, EPSVLANID, DomainName2, DomainName3, DomainName4, DomainName5,OldProduct, LineItemType, ChangeType, VP_PSID, VCI_2, VPI_2, VP_PSID_2, VCI_3, VPI_3, VP_PSID_3, VCI_4, VPI_4, VP_PSID_4, VCI_5, VPI_5, VP_PSID_5, PackageRef, PackageDescription, ProductSubType, PAT_IP_Address, PATPortNo, PATProtocol, DHCPRequired, DHCPRange1, DHCPRange2, FlowPointIP, SubnetIP, NATRequired, PATRequired, AdvancedServicesOptIn, Interleaving, ProvideType, CeaseType, ProvisionOnCease, CustomerEnquiryDate, CombinedOrderReference, ReviewDate, NetworkType, CustomerLineItemReference, IntermediateAgent, CurrentKCIMessage, TrafficWeighting, Upstream, Downstream, StabilityOption, AccessTechnology, NametheDay,OriginalServiceID, SupplierNotes,OrderLineNumber, ModifiedFTRCalc, FirstAppointmentDate, AgreedAppointmentDate, AppointmentStatus , AppointmentReason, CeaseReason, ONTPortID, ONTSerialNumber, RetailerID))>
<!ELEMENT DelayCategory (#PCDATA)>
<!ELEMENT DelayReason (#PCDATA)>
<!ELEMENT DelayStatus (#PCDATA)>
<!ELEMENT EPSVLANID (#PCDATA)>
<!ELEMENT DomainName2 (#PCDATA)>
<!ELEMENT DomainName3 (#PCDATA)>
<!ELEMENT DomainName4 (#PCDATA)>
<!ELEMENT DomainName5 (#PCDATA)>
<!ELEMENT ETLCreateDate (#PCDATA)>
<!ELEMENT ETLUpdateDate (#PCDATA)>
<!ELEMENT EUContactNo (#PCDATA)>
<!ELEMENT EUPostCode (#PCDATA)>
<!ELEMENT EUPostTown (#PCDATA)>

<!ELEMENT EUPremises (#PCDATA)>
<!ELEMENT EUThroughfareName (#PCDATA)>
<!ELEMENT EUThroughfareNo (#PCDATA)>
<!ELEMENT EndUserFirstName (#PCDATA)>
<!ELEMENT EndUserLastName (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeCode (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FlowPointIP (#PCDATA)>
<!ELEMENT Interleaving (#PCDATA)>
<!ELEMENT LineItemStatus (#PCDATA)>
<!ELEMENT LineTest (#PCDATA)>
<!ELEMENT MigrationAuthorisationCode (#PCDATA)>
<!ELEMENT NATRequired (#PCDATA)>
<!ELEMENT NetworkAvailableDate (#PCDATA)>
<!ELEMENT NetworkID (#PCDATA)>
<!ELEMENT NetworkType (#PCDATA)>
<!ELEMENT OldProduct (#PCDATA)>
<!ELEMENT OldNetworkID(#PCDATA)>
<!ELEMENT CombinedOrderReference (#PCDATA)>
<!ELEMENT OrderID (#PCDATA)>
<!ELEMENT OrderStatus (#PCDATA)>
<!ELEMENT OrderType (#PCDATA)>
<!ELEMENT OriginalDeliveryDate (#PCDATA)>
<!ELEMENT PATPortNo (#PCDATA)>
<!ELEMENT PATProtocol (#PCDATA)>
<!ELEMENT PATRequired (#PCDATA)>
<!ELEMENT PAT_IP_Address (#PCDATA)>
<!ELEMENT PackageDescription (#PCDATA)>
<!ELEMENT PackageRef (#PCDATA)>
<!ELEMENT PlannedCapacityResolutionDate(#PCDATA)>
<!ELEMENT AdvancedServicesOptIn (#PCDATA)>
<!ELEMENT ProductName (#PCDATA)>
<!ELEMENT ProductSubType (#PCDATA)>
<!ELEMENT ProvideType (#PCDATA)>

<!ELEMENT ProvisionOnCease (#PCDATA)>
<!ELEMENT CRDAmendReason (#PCDATA)>
<!ELEMENT ReceivedDate (#PCDATA)>
<!ELEMENT RejectedReason (#PCDATA)>
<!ELEMENT ReviewDate (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ServiceLevelOrMaintenanceCategory (#PCDATA)>
<!ELEMENT SubnetIP (#PCDATA)>
<!ELEMENT DN (#PCDATA)>
<!ELEMENT TimeDelayRequested (#PCDATA)>
<!ELEMENT VCI (#PCDATA)>
<!ELEMENT VCIBoot (#PCDATA)>
<!ELEMENT VCIControl (#PCDATA)>
<!ELEMENT VCIVideo (#PCDATA)>
<!ELEMENT VCI_2 (#PCDATA)>
<!ELEMENT VCI_3 (#PCDATA)>
<!ELEMENT VCI_4 (#PCDATA)>
<!ELEMENT VCI_5 (#PCDATA)>
<!ELEMENT VPI (#PCDATA)>
<!ELEMENT VPIBootControl (#PCDATA)>
<!ELEMENT VPIVideo (#PCDATA)>
<!ELEMENT VPI_2 (#PCDATA)>
<!ELEMENT VPI_3 (#PCDATA)>
<!ELEMENT VPI_4 (#PCDATA)>
<!ELEMENT VPI_5 (#PCDATA)>
<!ELEMENT VP_PSID (#PCDATA)>
<!ELEMENT VP_PSID_2 (#PCDATA)>
<!ELEMENT VP_PSID_3 (#PCDATA)>
<!ELEMENT VP_PSID_4 (#PCDATA)>
<!ELEMENT VP_PSID_5 (#PCDATA)>
<!ELEMENT XMLBatchNo (#PCDATA)>
<!ELEMENT StabilityOption (#PCDATA)>
<!ELEMENT AccessTechnology(#PCDATA)>
<!ELEMENT Downstream(#PCDATA)>
<!ELEMENT Upstream (#PCDATA)>
<!ELEMENT TrafficWeighting (#PCDATA)>

<!ELEMENT CustomerLineItemReference (#PCDATA)>
<!ELEMENT CurrentKCIMessage(#PCDATA)>
<!ELEMENT IntermediateAgent(#PCDATA)>
<!ELEMENT NametheDay (#PCDATA)>
<!ELEMENT OriginalServiceID (#PCDATA)>
<!ELEMENT SupplierNotes (#PCDATA)>
<!ELEMENT OrderLineNumber (#PCDATA)>
<!ELEMENT ModifiedFTRCalc (#PCDATA)>
<!ELEMENT FirstAppointmentDate (#PCDATA)>
<!ELEMENT AgreedAppointmentDate (#PCDATA)>
<!ELEMENT AppointmentStatus (#PCDATA)>
<!ELEMENT AppointmentReason (#PCDATA)>
<!ELEMENT CeaseReason(#PCDATA)>
<!ELEMENT ONTPortID (#PCDATA)>
<!ELEMENT ONTSerialNumber (#PCDATA)>
<!ELEMENT RetailerID (#PCDATA)>

Migration Summary Report

Following DTD is for 20 CN Circuits:

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (OriginalCustomerName, MACKey, ServiceID, Product, TelephoneNumber, CompletionDate, CustomerAgreedDate, CancelledDate, CeaseType, ProvideType)) >
<!ELEMENT OriginalCustomerName (#PCDATA)>
<!ELEMENT MACKey (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT Product (#PCDATA)>
<!ELEMENT TelephoneNumber (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CustomerAgreedDate (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>

<!ELEMENT CeaseType (#PCDATA)>
<!ELEMENT ProvideType (#PCDATA)>

Following DTD is for WBC/21 CN Circuits:

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (OriginalCustomerGroupName, MigrationAuthorisationCode, ServiceID, ProductName, DN, CompletionDate, CustomerPromisedDate, CancelledDate, CeaseType, ProvideType, ModifiedFTRCalc, *ONTPortID, ONTSerialNumber*, AVCFlag, AVC Quantity, RetailerID)) >
<!ELEMENT OriginalCustomerGroupName (#PCDATA)>
<!ELEMENT MigrationAuthorisationCode (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ProductName (#PCDATA)>
<!ELEMENT DN (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CustomerPromisedDate (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CeaseType (#PCDATA)>
<!ELEMENT ProvideType (#PCDATA)>
<!ELEMENT ModifiedFTRCalc (#PCDATA)>
<!ELEMENT ONTPortID (#PCDATA)>
<!ELEMENT ONTSerialNumber (#PCDATA)>
<!ELEMENT AVCFlag (#PCDATA)>
<!ELEMENT AVC Quantity (#PCDATA)>
<!ELEMENT RetailerID (#PCDATA)>

Following DTD is for 20 CN and WBC/21 CN Circuits:

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (OriginalCustomerGroupName, MigrationAuthorisationCode, ServiceID, ProductName, DN, CompletionDate, CustomerPromisedDate, CancelledDate, CeaseType, ProvideType, ModifiedFTRCalc, *ONTPortID, ONTSerialNumber,* AVCFlag, AVC Quantity, RetailerID)) >

<!ELEMENT OriginalCustomerGroupName (#PCDATA)>
<!ELEMENT MigrationAuthorisationCode (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ProductName (#PCDATA)>
<!ELEMENT DN (#PCDATA)>
<!ELEMENT CompletionDate (#PCDATA)>
<!ELEMENT CustomerPromisedDate (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CeaseType (#PCDATA)>
<!ELEMENT ProvideType (#PCDATA)>
<!ELEMENT ModifiedFTRCalc (#PCDATA)>
<!ELEMENT ONTPortID (#PCDATA)>
<!ELEMENT ONTSerialNumber (#PCDATA)>
<!ELEMENT AVCFlag (#PCDATA)>
<!ELEMENT AVC Quantity (#PCDATA)>
<!ELEMENT RetailerID (#PCDATA)>

Product Family Migration XML

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (CustomerName, BillingAccount, OriginalBillingAccount, CustomerID, OriginalCustomerID, ProductName, OriginalProductName, ProductCode, OriginalProductCode, ProductDescription, ServiceID, OriginalServiceID, APServiceID, IntermediateAgent, Exchange, DN, PreviousAccessTechnology, CareLevel, AccessTechnology, TrafficWeighting, DLMProfile, UpstreamBandwidth, RealTimeOptIn, CustomerRequiredDate, ContractualDeliveryDate, CancelledDate, CustomerPromisedDate, OrderType, LineItemSubStatus, OrderDelayStatus, OrderDelayReason, OrderRejectionReason, OrderCompletionDate, CustomerNotes, CurrentKCIMessage, CustomerLineItemReference, MigrationType, ModifiedFTRCalc, ONTPortID, ONTSerialNumber, RetailerID)) >
<!ELEMENT CustomerName (#PCDATA)>
<!ELEMENT BillingAccount (#PCDATA)>
<!ELEMENT OriginalBillingAccount (#PCDATA)>
<!ELEMENT CustomerID (#PCDATA)>
<!ELEMENT OriginalCustomerID (#PCDATA)>
<!ELEMENT ProductName (#PCDATA)>

<!ELEMENT OriginalProductName (#PCDATA)>
<!ELEMENT ProductCode (#PCDATA)>
<!ELEMENT OriginalProductCode (#PCDATA)>
<!ELEMENT ProductDescription (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT OriginalServiceID (#PCDATA)>
<!ELEMENT APServiceID (#PCDATA)>
<!ELEMENT IntermediateAgent (#PCDATA)>
<!ELEMENT Exchange (#PCDATA)>
<!ELEMENT DN (#PCDATA)>
<!ELEMENT PreviousAccessTechnology (#PCDATA)>
<!ELEMENT CareLevel (#PCDATA)>
<!ELEMENT AccessTechnology (#PCDATA)>
<!ELEMENT TrafficWeighting (#PCDATA)>
<!ELEMENT DLMProfile (#PCDATA)>
<!ELEMENT UpstreamBandwidth (#PCDATA)>
<!ELEMENT RealTimeOptIn (#PCDATA)>
<!ELEMENT CustomerRequiredDate (#PCDATA)>
<!ELEMENT ContractualDeliveryDate (#PCDATA)>
<!ELEMENT CancelledDate (#PCDATA)>
<!ELEMENT CustomerPromisedDate (#PCDATA)>
<!ELEMENT OrderType (#PCDATA)>
<!ELEMENT LineItemSubStatus (#PCDATA)>
<!ELEMENT OrderDelayStatus (#PCDATA)>
<!ELEMENT OrderDelayReason (#PCDATA)>
<!ELEMENT OrderRejectionReason (#PCDATA)>
<!ELEMENT OrderCompletionDate (#PCDATA)>
<!ELEMENT CustomerNotes (#PCDATA)>
<!ELEMENT CurrentKCIMessage (#PCDATA)>
<!ELEMENT CustomerLineItemReference (#PCDATA)>
<!ELEMENT MigrationType (#PCDATA)>
<!ELEMENT ModifiedFTRCalc (#PCDATA)>
<!ELEMENT ONTPortID (#PCDATA)>
<!ELEMENT ONTSerialNumber (#PCDATA)>
<!ELEMENT RetailerID (#PCDATA)>

Fault Delta Dates XML V2 DTD

The following DTD is for WBC EUA Fault or both 20CN and 21 CN Circuits.

<!ELEMENT Report (DataRow+) >
<!ATTLIST Report Title CDATA #REQUIRED >
<!ELEMENT CaseId (#PCDATA)>
<!ELEMENT ClosedDate (#PCDATA)>
<!ELEMENT CustomerId (#PCDATA)>
<!ELEMENT CustomerNotes (#PCDATA)>
<!ELEMENT CustomerReference (#PCDATA)>
<!ELEMENT DataRow ((ErrorCode, ErrorMessage) | (CaseId, ClosedDate, CustomerId, CustomerNotes, CustomerReference, EndUserFirstName, EndUserLastName, ETLCreateDate, ETLUpdateDate, ExchangeName, FaultClear, FaultDetail, FaultReason, FaultSource, FaultStatus, FaultWith, InstalledDate,ReportedDate, ServiceID, ServiceLevelOrMaintenanceCategory, TelephoneNumber, TotalOST, RepeatELF, Policy, TransactionID, NetworkType FirstAppointmentDate, AgreedAppointmentDate, AppointmentStatus , AppointmentReason,ParkTime, ONTPortID, ONTSerialNumber,*AccessTechnology*))>
<!ELEMENT EndUserFirstName (#PCDATA)>
<!ELEMENT EndUserLastName (#PCDATA)>
<!ELEMENT ETLCreateDate (#PCDATA)>
<!ELEMENT ETLUpdateDate (#PCDATA)>
<!ELEMENT ErrorCode (#PCDATA)>
<!ELEMENT ErrorMessage (#PCDATA)>
<!ELEMENT ExchangeName (#PCDATA)>
<!ELEMENT FaultClear (#PCDATA)>
<!ELEMENT FaultDetail (#PCDATA)>
<!ELEMENT FaultReason (#PCDATA)>
<!ELEMENT FaultSource (#PCDATA)>
<!ELEMENT FaultStatus (#PCDATA)>
<!ELEMENT FaultWith (#PCDATA)>
<!ELEMENT InstalledDate (#PCDATA)>
<!ELEMENT ReportedDate (#PCDATA)>
<!ELEMENT ServiceID (#PCDATA)>
<!ELEMENT ServiceLevelOrMaintenanceCategory (#PCDATA)>
<!ELEMENT TelephoneNumber (#PCDATA)>

<!ELEMENT TotalOST (#PCDATA)>
<!ELEMENT RepeatELF (#PCDATA)>
<!ELEMENT Policy (#PCDATA)>
<!ELEMENT TransactionID (#PCDATA)>
<!ELEMENT NetworkType (#PCDATA)>
<!ELEMENT FirstAppointmentDate (#PCDATA)>
<!ELEMENT AgreedAppointmentDate (#PCDATA)>
<!ELEMENT AppointmentStatus (#PCDATA)>
<!ELEMENT AppointmentReason (#PCDATA)>
<!ELEMENT ParkTime (#PCDATA)>
<!ELEMENT ONTPortID (#PCDATA)>
<!ELEMENT ONTSerialNumber (#PCDATA)>
<!ELEMENT AccessTechnology (#PCDATA)>

Order Report Columns

Below is a table of the column names for the orders reports, with possible entries and comments.

In possible entries, what will actually be returned in the reports is shown in bold. If the word blank is shown, then the field will not be populated with anything.

Column Title	Possible Entries	Format	Explanation
Billing Account	eg . **64487170AC01** Blank	Alphanumeric 100 Char Max	The unique ID of the SP account which is being debited for this service. This will show the SP's account number Blank for CRF rejected orders and could be blank for CRF cancelled
Cancelled Date	Date & Time Blank	DD/MM/YYYY HH:MM:SS	The date and time that the order cancelled in BT's systems. Blank – the order is not cancelled
Cancelled Reason	**Unable to supply DSL service**	Alphanumeric 200 Char Max	The reason the order was cancelled. An order may be cancelled manually by the Service

Column Title	Possible Entries	Format	Explanation
	Line cannot be upgraded to support DSL at reasonable cost **Line quality inadequate to support DSL** **Line loss out of limits** **No current BT contract** **BT unable to gain access to EU site** **30 day letter time expired**		Provider or by BT or automatically by BT systems. Blank – the order has not been cancelled. Please note the reason can appear an update earlier than the order status and lineitemsubstatus being changed to reflect the cancellation

Column Title	Possible Entries	Format	Explanation
Cancelled Reason (Cont'd)	**At request of Service Provider** **EU No longer wants Cease** **EU changed mind** **EU refused service** **To be reissued** **Network VP PSID not valid for selected EU Service** **Invalid CRD** **Incomplete CRF** **Insufficient Configuration details** **Cease already instigated by End User** **Insufficient Address details** **No current BT Service** **Order cancelled by Gaining SP** **Capacity full on purchased AEA blocks** **Order type not valid for AEA service** **Product not available at AEA exchange**		.

Column Title	Possible Entries	Format	Explanation
Cancelled Reason (Cont'd)	**Invalid SP for this AEA exchange** **Insufficient ports available on VP** **Network VP PSID supplied is invalid** **No reserved ADSL port available for this service request** **Network VP PSID not valid for selected EU service** **PSTN Order Cancelled, ADSL Cannot Be Supplied** **EU and VP not served via the same exchange** **ADSL cancel - no matching PSTN order** **Invalid Migration Key** **Migration Key expired** **Migration Key already used** **Asset not current** **Product not supported by SP** **Duplicate order**		

Column Title	Possible Entries	Format	Explanation
Cancelled Reasons (Cont'd)	**LLU Transfer Cancelled** **Order cancelled due to conflicting narrowband order CCD** **Order rejected due to conflicting open order** **Revised CCD due to earlier PSTN cease date** **Order cancelled due to cancellation of narrowband transfer** **ADSL Cancelled Reissue as Provide** **Line cannot be upgraded for DSL at reasonable cost** **Conflicting PSTN order CCD** **No current PSTN contact** **Cancellation of PSTN transfer** **Conflicting open order** **Due to early PSTN cease date**		
Committed Delivery Date	Date	DD/MM/YYYY HH:MM:SS	This date is only set once all line quality and port availability/allocation checks have been completed. It is set automatically to the Customer Agreed Date when the order reaches the Committed Line Item

Column Title	Possible Entries	Format	Explanation
			Substatus. It is updated in response to an SP-initiated re-appointment. BT initiated delays do not impact this date. Blank – the point has not yet been reached where we can provide a Committed Delivery Date or not applicable to this order type

Column Title	Possible Entries	Format	Explanation
Completion Date	Date Blank	DD/MM/YYYY	The date that the service request was complete in BT's back end systems and BT starts/ceases billing. Blank – order has not yet completed
Cease Type	CEASE(P) CEASE(L) CEASE(M) CEASE BLANK CEASE(W)	Alphanumeric 50 Char Max	CEASE(W) is a new value for WLR3 Cease Order.
CSAC	4 letters and then six numbers. Blank	Alphanumeric 20 Char Max	The central link circuit number for Datastream and VideoStream products only. Several services can share the same CSAC reference.
Customer	Customer Name	Alphanumeric 100 Char Max Upper & Lower Case	Customer name as recorded in eCo
Customer Agreed Date	Date	DD/MM/YYYY	The date chosen by the SP, subject to Standard Lead Times. This will usually be changed in the event of a re-appointment request. It is either the date agreed for the installation visit or the date agreed for service to commence/ change/ cease.
Customer Appointment Date	Appointment Date Blank	DD/MM/YYYY	Date – the appointment date on which the engineer will visit the End User. Blank - if the appointment has not yet been booked or the order is self-install
Customer Appointment Slot	**2** or **Slot 2** **3** or **Slot3** **4** or **Slot 4**	Alphanumeric 50 Char Max	2 or Slot 2, the appointment has been requested between 8am and 10.30am 3 or Slot3, the appointment has been requested **4** or between 10.30am and 1pm 4 or Slot 4, the appointment has been requested between 1pm and 3.30pm

Column Title	Possible Entries	Format	Explanation
	5 or **Slot5** Blank		5 or Slot 5, the appointment has been requested between 3.30pm and 6pm

Column Title	Possible Entries	Format	Explanation
Customer Enquiry Date	Some date value coming from FM Blank	DD/MM/YYYY HH:MM:SS	
Customer Notes	Notification Messages and Free form text	Alphanumeric Unlimited char max (There is no restriction on the length of the individual note)	Notification messages and free-form notes entered by BT Operations staff additional to the main order data items.
Customer Ref	PSTN CEASE SPEED UPGRADE The codes listed are codes where the order has failed the Bulk Speed Controller 901 902 903 904 905 906 907 908 910 911 912 913 914 915 916 917 918 997 909 **TE GROOMING**	Numeric	PSTN Cease, entered on behalf of an SP as a result of a PSTN Stop/Cease order. *This is to identify VC Migration orders* Row must contain 2 of Network ID, Service ID and DN Missing Product Code Missing New product Code Invalid Network ID Invalid Service ID Data Mismatch Invalid Telephone No Product Mismatch Data Mismatch Line Qualification Data Mismatch Invalid Service Provider ID Missing Service Provider Name Missing Billing Account Number Missing Product Name Product Not Supported Product Migration Not Supported Service not Available Service Not Determined Paired with an Order Type of **21CN MIGRATION** when a circuit is being groomed for migration.

Column Title	Possible Entries	Format	Explanation
Customer Ref (Cont'd)	**TE MIGRATION**		Paired with an Order Type of **21CN MIGRATION** when a circuit is being migrated.
	TE FALLBACK		Paired with an Order Type of **21CN MIGRATION** when a circuit enters the fallback process.
	LLU XFER P		Narrowband Transfer
	CeaseSD###		Cease of PSTN & DSL service because line has been converted to MPF.
	LLU XFER PSTN CEASED		Narrowband Transfer
	CeaseSD#		BT Wholesale data cleanse orders
	IDM		
	WLR3 CEASE		Available as result of Synchronised Narrowband Stop/Cease.
	ADSL2SMPF		Migration of DSL to SMPF
	SMPF4ADSL		Broadband Transfer
	ADSL2SMPF#		
	SMPF4ADSL#		
	IDMLLU		IPStream to WBC migration
	IP2WBC		
	IP2WBCCP		
	DS2WBC		Datastream to WBC migration

Column Title	Possible Entries	Format	Explanation
Customer Ref (Cont'd)	**DS2WBCCP** TOTL Cease BLANK		Tags on the line Cease Ceases that have a non standard entry in the Eco Customer Reference field and cannot therefore be tagged as (P), (M) or (L) thus Customer Reference Field entry is none of above and can include SP own free form entry.
Customer Required Date	Date	DD/MM/YYYY	The date that BT understands that the service provider would like service to commence. This does not necessarily take account of published lead times and is for information only. If not explicitly specified it will default to the agreed appointment date. This date is captured by e.Co when the order is accepted. It is not used in the automated fulfilment process. Once captured it is never changed
Change Type	PRODUCT DOMAIN EU ROUTER SERVICE PROVIDER CARE LEVEL VP ASE PORT RETERMINATION	Alphanumeric	This field
DHCP Required	Y or No	Alpha	Parameter for managed routers for IPstream products.
DHCP Range 1 DHCP Range 2	Number	Numeric	A parameter for managed routers for Ipstream products
Delay Reason	NULL ADVANCED ORDER AWAITING D SHARE	Alphanumeric 250 Char Max	The reason the order is in delay Blank – this order has not been in delay

Column Title	Possible Entries	Format	Explanation
Delay Reason (Cont'd)	AWAITING ROUTING CANCELLATION LETTER SENT END USER CANCELLATION END USER READINESS EXCHANGE EQUIPMENT PROBLEMS INSTALLATION FAILURE LINE QUALITY SURVEY NO CAPACITY IN EXCHANGE ORDER TO BE CANCELLED SYSTEM PROBLEMS SITE ACCESS PROBLEM NEW APPT REQD – SP ISSUE NEW APPT REQD – BT ISSUE		

Column Title	Possible Entries	Format	Explanation
Delay Reason (Cont'd)	RESCHEDULE REQD – BT ISSUE WAITING JOB CLOSURE Blank Site Access Problem New Appointment Reqd. BT Issue PSTN DATE CHANGE NUMBER TRANSFER FRAMES EXCHANGE EQUIPMENT TPON TEST ACCESS MATRIX POTENTIAL PSTN DELAY Frame appointment reservation timed out. DELAYED IN PROCESSING DELAYED DUE TO END USER POTENTIAL PSTN DELAY CONTACT VOICE PROVIDER DELAY IN PSTN PROVISION CONTACT VOICE SUPPLIER		

Column Title	Possible Entries	Format	Explanation
Delay Reason (Cont'd)	NEW APPOINTMENT REQUIRED - BT ISSUE DELAY DUE TO END USER PSTN DELAY		
Delay Status	NULL DELAYED JEOPARDY REAPPOINT RESCHEDULED Blank	Alpha 30 Char Max	Identifies whether a delay is likely to impact on the delivery date Blank – the order has not been in delay
Domain Name 1	Domain name Blank	Alphanumeric 250 Char Max	Primary network domain selected by the SP at order entry. Blank for certain Ipstream order types and Datastream or VideoStream
Domain Name 2	Domain name Blank	Alphanumeric 250 Char Max	Supplementary network domain selected by the SP at order entry. Blank in the following scenarios: • Certain Ipstream order types • Ipstream orders where Limited Service Selection has not been chosen. • All Datastream orders • All VideoStream orders
Domain Name 3	Domain name Blank	Alphanumeric 250 Char Max	Supplementary network domain selected by the SP at order entry.
Domain Name 4	Domain name	Alphanumeric 250 Char Max	Supplementary network domain selected by the SP at order entry.

Column Title	Possible Entries	Format	Explanation
	Blank		
Domain Name 5	Domain name Blank	Alphanumeric 250 Char Max	Supplementary network domain selected by the SP at order entry.
eCo Order Number	Order Number	Alphanumeric 16 Char Max	The unique ID generated by the order system (not necessarily eco) when the order is created. Known as 'Order Number' in the XML reports
Exchange Name	Exchange Name Blank	Alphanumeric 150 Char Max	Denotes the telephone exchange of the installation on which service is to be provided. Exchange names may not be unique, and may not give an obvious indication of location.
Exchange Name (Cont'd)			Blank in the following scenarios: • Certain order types. • The order has not reached the stage where this is populated
Flowpoint IP	**i.e. 123.456.789.012**	Number	A parameter for managed routers for Ipstream
InterleavingPermissionFlag/Interleaving	**Y (Yes)** **N (No)** **A (Auto)** **NOT KNOWN** **Not Applicable** **Blank**	Alphanumeric 100 Char max	Shows whether a user has granted permission to change the interleaving on the service
Interleaved	**I (Opt in)** **O (Opt Out)** **A (Auto)**	Alphanumeric 1 Char max	Indicates whether interleaving has been specifically enabled,disabled or defaulted

Column Title	Possible Entries	Format	Explanation
Line Item Sub Status	**SUBMITTED** **ACKNOWLEDGED** **SERVICE CARE LEVEL SET** **ASSIGNED** **COMMITTED** **INSTALLED** **REJECTED** **CANCELLED** **COMPLETED** **ORDER MATCHED** For Advance Orders only **AWAITING NETWORK** **IN PROGRESS** For Combined Orders Only **Awaiting PSTN Order**	Alphanumeric 30 Char Max	The Line Item sub status indicates the sub-stage the order has reached in processing. Once the order reaches a status of Placed the line item sub status will display the latest sub-status until the order is complete or cancelled. Submitted – Order has been captured by BT but no processing has yet been performed. Acknowledged – Order has been accepted by BT order processing systems and processing can now start. Service care level set – The requested service care level is now confirmed on the order. Assigned – Network Resource has been allocated Committed – Evaluation Complete. Published Delivery date is now committed Installed – Engineering work has completed Rejected – A cancel request has been rejected because the order has progressed past the point of cancellation. Cancelled **–** The order has been cancelled Completed – Service provision successfully completed-billing instigated/ceased. Order Matched - The SMPF order is matched. Order will be updated with the new Installation DN. **Advanced Orders Only:-** Awaiting network – on hold pending availability of Network Resource. In progress – Network resource is available, order under evaluation **Combined Orders Only:** This status comes between submitted and

Column Title	Possible Entries	Format	Explanation
			acknowledged It is possible to place orders for exchanges that are planned as a result of the exchange registration scheme that are not yet enabled. Orders may be placed 150 days in advance of the exchange enablement date. The Network Availability Date will give the date that the network infrastructure will be in place to support the required service. Advanced orders will be held while awaiting availability of the network resource with an Order Status of 'Awaiting Network'. Once the exchange is enabled, the order is under evaluation and the Line Item Substatus is 'In Progress'. The Line Item Substatus will change to 'Assigned' once the network resource has been allocated, and the order will then proceed as normal.

Column Title	Possible Entries	Format	Explanation
MAC Key	FTIP001134810/ED03N (example) Blank	Alphanumeric	A unique identification code supplied to gaining service providers to allow migration of a circuit Green – Line test passed. Line length and quality suitable for DSL Blank – the order has not yet reached the stage where the line test takes place or a line test result is not applicable to the order type.
NAT Required	Y or No	Alpha	A Parameter for managed routers for Ipstream products
Network Availability Date	Date Blank	DD/MM/YYYY	Populated for Advanced Orders only – indicates the planned date when the network will support DSL service, and the order processing could start. Blank **–** no date yet available, or not applicable to the order type
Network ID	Blank	Alphanumeric 50 Char Max	The identifier of the network virtual circuit over which customer service runs. Once Line Item Substatus is Assigned, capacity has been allocated on provide and conversion orders. Blank **–** the order does not yet have a Network Id assigned. Note: This identifier will change on out of product family Regrades.
Network Type	20CN or 21CN	Alphanumeric	
Old Network ID	Blank	Alphanumeric 50 Char Max	
Order Matching Ref		Alphanumeric 10 Char Max	

Column Title	Possible Entries	Format	Explanation
Order Status	**PLACED** **CANCEL REQUEST** **ERROR** **CANCELLED** **COMPLETED** In relation to the processing of CRF (Customer Requirements Forms) only **CRF REJECTED** **CRF CANCELLED** **Assigned**	Alphanumeric 30 Char Max	The stage the order has reached in processing – this is supplemented by the Line Item Sub-status Placed **–** The order is being processed by BT Cancel request **–** A request to cancel the order has been issued Error **–** The order processing cannot continue, for example where a cancellation request has been issued too late in the order processing Cancelled **–** The order has been cancelled and processing is terminated Completed **–** Provision completed. Billing is instigated/ceased CRF Rejected - The CRF is rejected due to incompleteness or failure of the pre-order enquiry check prior to order entry CRF Cancelled **–** The CRF was cancelled due to incomplete data at order creation Assigned – example where the order has been created and not submitted due not having an appointment on an engineer install or the SP is unable to cancel an order
Order Type	**PROVIDE** **PROVIDE NO APPOINT** **PROVISION** **CEASE** **CEASE & RECOVER** and **CEASE WITH JIFFY BAG** **CONVERT**	Alphanumeric 50 Char max	Denotes the type of order Provide – Provide a new BT installed service Provide no appoint – Provide a self install service Provision – Provide a new BT installed service Cease – cease an existing self installed service Cease & recover and Cease with a jiffy bag – Cease a BT installed service. (Changes to Cease if a Self Install Product) Convert – Convert an existing service from a different product family, to a new product and service Shift - Move an existing service termination within the customer premises.

Column Title	Possible Entries	Format	Explanation
	SHIFT **RE-GRADE** **CHANGE** **MIGRATE EU** **21CN MIGRATION** **CHANGE MAINTENANCE** **SIMULTANEOUS** **REGRADE VC** **MODIFY** **SP MIGRATION** **FALSE GREEN** **REGRADE BSR** **MODIFY** **AMEND OF PROVIDE** **AMEND OF MODIFY** **AMEND OF CEASE** **CANCEL OF PROVIDE** **CANCEL OF MODIFY**		RE-Grade **–** change the speed or variant of an existing service within the same product family Change – Change to configuration of service such as domain name Migrate EU – Request to acquire an end-user currently with an alternative service provider Change – Change to configuration of service such as domain name Migrate EU – Request to acquire an end-user currently with an alternative service provider Order generated to cater for migration of a circuit on to the 21st Century Network Change maintenance – Request to change maintenance level Simultaneous – Denoting that the order is combined with a PSTN order Regrade VC denotes this Order is a VC Migration Modify- This is a Generic Modify Order, where a number of changes can be made at the same time SP Migration- Again this belongs to the Generic Modify family , in addition the End User is switching service to a new Service Provider False Green & Regrade BSR refer to Bulk Speed Regrades

Column Title	Possible Entries	Format	Explanation
	CANCEL OF CEASE **RESUME** **SUSPEND**		

Column Title	Possible Entries	Format	Explanation
Policy		Alphanumeric 20 Char Max	
Product	**BT DataStream Home500** **BT DataStream Home500 CBR** **BT DataStream Home500 VBRrt** **BT DataStream Office500** **BT DataStream Office500 CBR** **BT DataStream Office500 VBRrt** **BT DataStream Office1000** **BT DataStream Office1000 CBR** **BT DataStream Office1000 VBRrt** **BT DataStream Office2000** **BT DataStream Office2000 CBR** **BT DataStream Office2000 VBRrt** ~~***BT IPstream 500***~~ **BT IPstream Home 500** **BT IPstream Office 1000** **BT IPstream Office 2000** ~~***BT IPstream S1000***~~ ~~***BT IPstream S2000***~~ ~~***BT IPstream S500***~~ ~~***BT VideoStream 2M***~~ ~~***BT VideoStream Plus***~~ **BT IPstream Office 500** **BT DataStream Symmetric 1000** **BT DataStream Symmetric 2000** **BT DataStream Symmetric 500** **BT IPstream Symmetric 1000** **BT IPstream Max** **BT IPstream Max Premium** **BT Datastream Max** **BT DataStream Max CBR** **BT DataStream Max VBRrt** **BT Datastream Max Premium**	Alphanumeric 100 Char Max	The name of the product to which the order relates

Column Title	Possible Entries	Format	Explanation
Product (Cont'd)	**BT DataStream Max Premium CBR** **BT DataStream Max Premium VBRrt** **BT IP Stream Symmetric 2000** **BT IP Stream Symmetric 500** **BT IPstream Home 1000** **BT IPstream Home 250** **End User Port Reservation** **Aggregation Point** **Extension Path** **AP Set** **APSet Allow Usage** **WBC End User Access (EUA)** **WBMC Shared Service** **WBMC Dedicated Service** **WBMC Host Link** **WBMC Dedicated Link**		
Provide Type	*Blank* *A* *L*	*Alphanumeric* *1Char Max*	*MAC field is not populated* *MAC code entered on the provision order was generated against a current ADSL service* *MAC code entered on the provision order was generated against a current LLUMPF service.*
Provision On Cease	Y N / NULL	Alphanumeric 50Char Max	
PAT Required	**Yor N**		A Parameter for managed routers for IPstream products
PAT IP Address	**i.e. 123.456.789.012**	Numeric	
PAT Port Number		Numeric	
PAT Protocol		Numeric	
Planned Capacity Resolution Date	Date	DD/MM/YYYY HH:MM:SS	
Progress Date	Date & Time	DD/MM/YYYY	The time stamp of when the entry in the Actuate

Column Title	Possible Entries	Format	Explanation
		HH:MM:SS	(Customer Reporting) Database was updated.

Column Title	Possible Entries	Format	Explanation
Received Date	Date Blank	DD/MM/YYYY HH:MM:SS	The date and time that the order was received on the BT back end systems. Blank – the order is in a very early stage of progression on BT systems
Rejected Reason	**Already Provided / Duplicate** **End User post code is invalid** **End User Telephone number unknown** **Incompatible Rented Products** **Number served by non Broadband Exchange** **Incomplete CRF** **Insufficient Address Details** **Incorrect order type requested** **No Current BT Service** **Line loss/length out of limits** **EU and VP not served via the same exchange.**	Alphanumeric 255 Char Max	The reason for rejections of an order submitted by CRF (additionally see cancellation reasons). Already provided/duplicate – Telephone number already has service or current order in progress for requested service. End user postcode is invalid - Where the post code given on the CRF is incorrect. End user telephone number unknown – Telephone number unknown or not matched to address/post code supplied. Incompatible rented products – Telephone number supplied has existing incompatible products. Number served by non Broadband Exchange - Exchange serving the telephone line is not enabled for the requested service. Incomplete CRF - Details on the CRF do not satisfy the criteria required for BT to process the order e.g. End User name is missing. Insufficient address details - Address details on the CRF do not satisfy the criteria required for BT to process the order. Incorrect order type requested - SP has selected the wrong order type e.g. provision instead of conversion. No current BT service – No current BT PSTN service at requested location.
Review Date		DD/MM/YYYY HH:MM:SS	
Service ID	**FT** or **FTIP** or **BBIP** or **BBVS** or **BBDS** and 9 numbers	Alphanumeric 30 Char Max	The unique identifier of the service. It never changes.

Column Title	Possible Entries	Format	Explanation
	Blank	Upper & Lower case	It is set when the Line Item Substatus is assigned and capacity has been allocated on provide and conversion orders. Blank – in an early stage where this field has not yet been populated Note: This identifier remains constant on all order types. This is the identifier that should be used by SPs.

Column Title	Possible Entries	Format	Explanation
Service Level	**StandardCare** **TotalCare** Blank	Alphanumeric 30 Char Max	The level of maintenance contract requested Blank – Not appropriate for the order type.
Subnet IP	Number	Numeric	A parameter for managed routers for IPstream products
Telephone Number/DN	Telephone Number Blank	Alphanumeric UK inland dialling code and number, no spaces 26 Char Max	The telephone number related to the service in existence or to be provided. The telephone number is that provided by the Service Provider at order submission Blank – on rare occasions, the telephone number field is not populated on a progressing order. This is due to changes that have taken place on the end user's PSTN account and does not affect whether service can be provided or not. For SIMULTANEOUS and MOVERS Orders DN might change during order progression, changed DN would be reflected in this field.
VCI		Alphanumeric 20 Char max	The identifier of the network virtual circuit over which an end-user Datastream service runs Blank – not a Datastream order or too early in the lifecycle of the order to be populated
VCI Boot	Number Blank	Alphanumeric 20 Char max	The identifier of the network virtual circuit over which an end-user videostream boot service runs Blank – not a videostream order
VCI Control	Number Blank	Alphanumeric 20 Char max	The identifier of the control channel of an end-user videostream service Blank – not a videostream order
VCI Video	Number Blank	Alphanumeric 20 Char max	The identifier of the network virtual circuit over which an end-user videostream service runs Blank – not a videostream order
VPI Bootcontrol	Number Blank	Alphanumeric 20 Char max	The identifier of the network virtual path used for boot-control of an end-user videostream service Blank – not a videostream order

Column Title	Possible Entries	Format	Explanation
VPI Video	Number Blank	Alphanumeric 20 Char max	The identifier of the network virtual path over which an end-user videostream service runs Blank – not a videostream order
Name the Day	YES NO	Alphanumeric	YES- signifies that the Order has a reserved slot for provisioning. NO- signifies that the Order does not have any reserved slot for provisioning and thus, normal orders.
Supplier Notes	Free form text	Alphanumeric Each Individual Note is 4000 Char Max	Text from the Service Management Centre which will provide update in the event of a delay.

The Following Data Items Will Be Provided On-Line but not on Email Reports

Column Title	Possible Entries	Format	Explanation
End user Premises	Name Blank	Alphanumeric 150 Char max	Name – Name of the EU premises Blank – no EU premises name
End user Thoroughfare Number	Number Blank	Alphanumeric 10 Char Max	Number – number of the EU premises Blank – no number applicable
End User Thoroughfare Name	Name of Road Blank	Alphanumeric 250 Char Max	Name of Road - Name of the road that EU premises is sited Blank – no thoroughfare name
End User Post Town	Name of Town Blank	Alphanumeric 100 Char Max	Name of Town – name of the town that the EU premise is sited Blank – No town associated with order
Postcode	Postcode Blank	Alphanumeric 30 Char Max	Postcode – Postcode associated with EU order Blank – no postcode associated with order
End User's First Name	Name Blank	Alphanumeric 50 Char Max	Name – EU first name associated with order Blank – no EU first name associated with order
End Users Last Name	Name Blank	Alphanumeric 50 Char Max	Name – EU last name associated with order Blank – no EU last name associated with order
XML Batch Number	Number	Alphanumeric 25 Char Max	The number of the XML batch that submitted the order
Original Delivery Date	Date Blank	DD/MM/YYYY	Date – the date first agreed with the SP as a potential delivery date Blank – no date yet available Unlike the CRD, it is changed in the event of a re-appointment at the customer's request. It is not changed if BT requests a delay.
Time Delay Requested	Date & Time	DD/MM/YYYY HH:MM:SS	The time stamp for changes to delay status Blank – if no delays
End User Contact Number	Number	Alphanumeric 26 Char Max	This information is provided by the SP when they submit the order and therefore will only be populated

Column Title	Possible Entries	Format	Explanation
	Blank		if supplied.

Column Title	Possible Entries	Format	Explanation
Delay Category	**SP** or **BT** Blank	Alphanumeric 150 Char Max	Indicates if a delay is due to BT or SP
Reason for Change of Date	Freeform text	Alphanumeric 100 Char Max	Where an appointment or delivery date has changed this indicates why.
Created Date	Date	DD/MM/YYYY	Date – the date that the 'order' button was pressed on eCo.
Pre Order Created Date	Date Blank	DD/MM/YYYY	Date - Only populated on rejected orders, which on this release will only be orders submitted on a CRF Blank – not a rejected CRF order
Exchange Code	Code Blank	Alphanumeric 15 Char Max	Not populated on orders submitted via a manual CRF Code – the code associated with the exchange. Blank – not reached that stage of the order lifecycle or submitted via a manual CRF
Package_Description	Various entries Blank	Alphanumeric 40 Char Max	SDSL only - Identifier for the package for the order
Package_Ref	A number between ***1-50*** Blank	Alphanumeric 5 Char Max	SDSL only - Identifier for the package for the order
Product_Sub_Type	***ADSL*** ***SDSL***	Alphanumeric 10 Char Max	Identifies the order as an ADSL or SDSL order
VP_PSID	***DSUK*** then 6 Numbers **NCIF** then 6 Numbers Blank	Alphanumeric 10 Char Max	SDSL Only – Identifier Reference DSUK for datastream NCIF for IPstream Blank – Not SDSL or Not appropriate
VCI-2	A number between ***32-32000*** Blank	Alphanumeric 20 Char Max	SDSL Only – Circuit Identifier

Column Title	Possible Entries	Format	Explanation
VPI-2	A number between ***0-256*** Blank	Alphanumeric 20 Char Max	SDSL Only – Path Identifier
VP_PSID_2	**DSUK** then 6 Numbers **NCIF** then 6 Numbers Blank	Alphanumeric 10 Char Max	SDSL Only – Identifier Reference DSUK for datastream NCIF for IPstream Blank – Not SDSL or Not appropriate
VCI-3	A number between **32-32000** Blank	Alphanumeric 20 Char Max	SDSL Only – Circuit Identifier
VPI-3	A number between **0-256** Blank	Alphanumeric 20 Char Max	SDSL Only – Path Identifier
VP_PSID_3	**DSUK** then 6 Numbers **NCIF** then 6 Numbers Blank	Alphanumeric 10 Char Max	SDSL Only – Identifier Reference DSUK for datastream NCIF for IPstream Blank – Not SDSL or Not appropriate
VCI-4	A number between **32-32000** Blank	Alphanumeric 20 Char Max	SDSL Only – Circuit Identifier
VPI-4	A number between **0-256** Blank	Alphanumeric 20 Char Max	SDSL Only – Path Identifier
VP_PSID_4	**DSUK** then 6 Numbers **NCIF** then 6 Numbers Blank	Alphanumeric 10 Max	SDSL Only – Identifier Reference DSUK for datastream NCIF for IPstream Blank – Not SDSL or Not appropriate
VCI-5	A number between **32-32000** Blank	Alphanumeric 20 Char Max	SDSL Only – Circuit Identifier
VPI-5	A number between **0-256**	Alphanumeric	SDSL Only – Path Identifier

Column Title	Possible Entries	Format	Explanation
	Blank	20 Char Max	

Column Title	Possible Entries	Format	Explanation
VP_PSID_5	**DSUK** then 6 Numbers **NCIF** then 6 Numbers Blank	Alphanumeric 10 Char Max	SDSL Only – Identifier Reference DSUK for datastream NCIF for IPstream Blank – Not SDSL or Not appropriate
Downstream	**24Mbits/s** **8Mbits/s** **8Mbit/s Transit**	Alphanumeric 100 Char Max	The download speed from the internet in megabits per second that the EUA Service will be allowed to rate adapt up to.
Upstream	**448Kbit/s** **UNCAPPED**	Alphanumeric 100 Char Max	Maximum upload speed to the internet in kilobits per second that the EUA Service will be allowed to achieve.
Customer Line Item Reference	**Free form text entered by CP**	Alphanumeric 100 Char Max	Contains the customer reference for a particular Line Item.
Traffic Weighting	**Standard** **Elevated**	Alphanumeric 100 Char Max	Traffic Weighting is the priority given to traffic within the Best Efforts Quality of Service bandwidth within the total bandwidth of the EUA Service.
Intermediate Agent	**Format would be IPIA8nnnnnnn**	Alphanumeric 63 Char Max	The unique identifier assigned from the end user. The value of Intermediate will be changed to Service ID in future.
Current KCI Message	**Various entries**	Alphanumeric 30 Char Max	Last KCI Message sent
Original Service ID	**FT or FTIP or BBIP or BBVS or BBDS and 9 numbers**	Alphanumeric 30 Char Max Upper & Lower case	The previous Service Id (after the CP has migrated).
Migration Type	**Single** **Multiple**	Alphanumeric 15 Char Max Upper & Lower Case	Specifies the type of Migration
Order Line Number	**Order Line Number**	Alphanumeric	The unique ID generated by the order system (not necessarily eco) when the order is created. Known as ‘Order Line Number’ in the XML reports
ModifiedFTRCalc	**Yes** **No**	Alphanumeric	

Column Title	Possible Entries	Format	Explanation

Column Title	Possible Entries	Format	Explanation
First Appointment Date	**Date (02/03/2009 06:08:04 AM)** **NA** **Blank**	DD/MM/YYYY HH:MM:SS AM/PM	
Agreed Appointment Date	**Date(02/03/2009 06:08:04 AM)** **NA** **Blank**	DD/MM/YYYY HH:MM:SS AM/PM	
Appointment Reason	**StamdardProvision** **CHANGED** **NOTNEEDED** **ALLOCATED** **CHANGED_BT Delay** **CHANGED_Customer Delay** **CHANGED_N** **AMEND_REJECT** **NA** **Blank**	Alphanumeric	
Appointment Status	**SUCCESS** **REJECTED** **CANCELLED** **NA** **Blank**	Alphanumeric	*Appointment Status field will be blank when Appointment Reason has value 'StandardProvision' for FTTC/FTTP services.*
Cease Reason	**Standard** **Urgent** **Movers Cease** **Cost reduction/savings** **Closure of existing sites** **Ordering alternate BT service** **Relocation** **Quality of service issues** **Change of supplier**	Alphanumeric	These are available for Cease Type – **Cease**

Column Title	Possible Entries	Format	Explanation
	Not required – not replacing **Unwilling to supply reason** **Operational Reason** **Engineering Reason** **Migration to another LLU** **LLU transfer PSTN cease** **Loss of related PSTN Service** **Migration to another CP** **WBC to DataStream** **WBC to DataStream with CP** **WBC to IPStream** **WBC to IPStream with CP** **WBC to WBC with CP** **WBC FTTC to WBC FTTC with CP** **Ceased PSTN**		These are available for Cease Type – **Cease(M)** These are available for Cease Type – **Cease(W)** These are available for Cease Type – **Cease(L)** These are available for Cease Type – **Cease(P)**
ONT Port ID	*Various Entries*	*Alphanumeric*	
ONT Serial Number	*Various Entries*	*Alphanumeric*	
AVC Flag	Various Entries	Alphanumeric	
AVC Quantity	Various Entries	Alphanumeric	
Retailer ID	Various Entries	Alphanumeric	

Fault Report Columns

Column Title	Explanation & Possible Entry	Comments
Progress	Click on this icon to see the progress of an individual fault	
Network ID	CBUK numeric	This is the BT Network Identifier
Network Type	20CN or 21CN	
Reported Date	Dd/mm/yyyy hh:mm:ss	Date & Time fault reported to BT Wholesale
Telephone Number	Numeric	This is the telephone number associated with the 20 CN or 21 CN circuit.

Column Title	Explanation & Possible Entry	Comments
Product	There will be various entries including the following ~~*(ADSL) BT IPstream S500*~~ ~~*(ADSL) BT IPstream S1000*~~ ~~*(ADSL) BT IPstream S2000*~~ ~~*(ADSL) BT Videostream 2M/128K ATM25*~~ (ADSL) BT Datastream S500 ATM25 (ADSL) BT Datastream S1000 (ADSL) BT Datastream S2000 ~~*(ADSL) BT IPstream 500 USB*~~ (ADSL) BT Datastream 500 USB ~~*(ADSL) BT Videosteam Plus*~~ (ADSL) BT Datastream Home 500Kps (ADSL) BT Datastream Home 500 VBRrt (ADSL) BT Datastream Home 500 CBR (ADSL) BT Datastream Office 500 (ADSL) BT Datastream Office 500 VBRrt (ADSL) BT Datastream Office 500 CBR (ADSL) BT Datastream Office 1000 (ADSL) BT Datastream Office 1000 VBRrt (ADSL) BT Datastream Office 1000 CBR (ADSL) BT Datastream Office 2000 (ADSL) BT Datastream Office 2000 VBRrt (ADSL) BT Datastream Office 2000 CBR (ADSL) BT IPstream Home 500 (ADSL) BT IPstream Office 1000 (ADSL) BT IPstream Office 2000 (ADSL) BT IPstream Office 500 (ADSL) BT IPstream Max (ADSL) BT IPstream Max Premium (ADSL) BT Datastream Max (ADSL) BT DataStream Max CBR (ADSL) BT DataStream Max VBRrt (ADSL) BT Datastream Max Premium (ADSL) BT DataStream Max Premium CBR (ADSL) BT DataStream Max Premium VBRrt Aggregation Point Extension Path AP Set	This is the product originally ordered on the CRF.

Column Title	Explanation & Possible Entry	Comments
	APSet Allow Usage WBC End User Access (EUA) WBMC Shared Service WBMC Dedicated Service WBMC Host Link WBMC Dedicated Link	
Fault Action	This field identifies what action the fault is currently in Appointment Made Appointment Required Closed Open Power On Request Retest Log on Request - Request to Service Provider to ask End User to log on to system and stay logged on while diagnostic tests are being run Firewall Down Request - Request to Service Provider to ask End User to have their firewall disabled while diagnostic tests are being run SP Action Required - This will normally be accompanied by a Customer Note which will describe the action or information required from the Service Provider.	This is the basic current status of the fault
Detail	An icon allowing you to drill down into the specific fault for more detail.	
Case ID	A reference generated by a BT back end system	This is the BT generated fault number.
Closed Date	Dd/mm/yyyy hh:mm:ss	The date and time the fault was cleared
Fault With	The following entries are available Broadband Operations Unit Customer Service Engineer Internet Operations centre Sent to PTO visit Service management Centre Service Provider End User Broadband Operations IP Chester 2nd line IP Nat/No Nat Duty	These are the possible duties within the BT repair process that might be dealing with the fault.

Column Title	Explanation & Possible Entry	Comments
Fault Reason	Failed Provision No Connection to Blue Screen Interactive service not available Fault equipment at customer Freeze frame Slow connection rate Major service failure No connection to RAS No/red ATM No synchronisation Intermittent connection SSB Issues Failed reconfiguration No connection to home gateway router Any 7.xx code Any 6.xx code No web pages Kill the PPP Knowledge Based Diagnostic NFL – Need to check with BTW SPACE Operations LTB - Lower Threshold Breach Controlled Special Fault Investigation	All of these are just one line descriptions of the reason for the fault.
Fault Clear	Indeterminate Customers equipment, error or mis-operation; A end (Service Provider) Customers equipment, error or mis-operation; B End (End User CPE) BT maintained midband equipment at Customers Premises, B End (End User net equipment) ADSL Mux and cabling; Core network including serving exchange Fault not found IP network/SP network connection Fault not found; core network including serving exchange Fault not found; B end (End User net equipment) BT maintained PSTN equipment at customers premises; B end	All of these are one line comments covering the fault clearance details.

Column Title	Explanation & Possible Entry	Comments
	(End User net equipment) ATM/SDH network including OFF; IP network/SP network connection ATM/SDH network including OFF; Core network including serving exchange PSTN/Groomed/Friaco/Single end user CPE Router Circuit/Bearer Core/Access/PE Router MSO IP Core MSO Bearer Circuits Service Delivery Email/Pop3 Radius Inbound Services MDF jumpering in serving exchange; Core network including serving exchange Right when tested; IP network/SP network connection Right when tested;Core network including serving exchange Right when tested;B End (End User net equipment) Local network between line side of MDF and BBNTE; B End (End User net equipment) IP Domain; IP network/SP network connection DNS fault DNS registered Closure requested by eCo RIPE BB SFI Broadband Fault not Found (Non-Chargeable). BB SFI Right When Tested. Service cannot be provided due to line loss limitations (Non-Chargeable). BB SFI Uplift to network from exchange to NTE5 for Broadband use (Non-Chargeable). BB SFI Line tested ok following attendance by BT external engineer. Other licensed operators A end Other licensed operators B end.	

Column Title	Explanation & Possible Entry	Comments
	BB SFI Fault found on non-BT wiring at the customer end user premises (Chargeable). BB SFI Fault found on customer sited non BT maintained equipment (Chargeable). BB SFI Line tested ok by BT engineer at customer premises (Chargeable). BB SFI Fault proved to modem or router (Chargeable). K1 - Knowledge Based Diagnostics Rejection	
Customer Notes	General notes text	These are BT notes relating to the faults progress
Customer ID	O/Mxxxxxxxxx	The Service Provider identifier
Customer Reference	The reference given to the fault by the Service provider	
End User First Name	This field will be removed shortly	
End Users last Name	This field will be removed shortly	
Service ID	BBIPxxxxxxxx or FTIPxxxxxxxx or BBEUxxxxxxxx	The unique service identifier for the circuit
Service Level	Enhanced or Standard	The contract option
Total OST	hh.mm.ss	Total out of service time including parked time. It is the difference in the Fault Reported and Fault Closed and will be in the HH:MM:SS(Hours:Mins:Seconds) format and will be populated only when the Fault is closed or Fault Closed Date is populated. For Open faults Total OST will be Null.
Repeat ELF	This Field Will Be Removed Shortly	
Exchange Name	The name of the telephone exchange that serves the DSL circuit	
Installed Date	Dd/mm/yyyy hh:mm:ss To Be Removed Shortly	Date the circuit was installed
Fault Status	Awaiting Retest - The fault has been cleared by BT Wholesale and is awaiting retest by the SP. Awaiting Appointment - An appointment is required	

Column Title	Explanation & Possible Entry	Comments
	Unparked - The fault is with BT Technical Assistance - TBA No Customer Access - TBA Confirm Flt Cleared - Fault Cleared Active – TBA Raised Rejected Accepted Fault Found Cancelled RWT	
Fault Detail	Only populated when there is a fault clear, can be a mixture of alpha and numeric.	Supplementary info to the fault clear giving a lower level of granularity
Policy	Alphanumeric 20 Char Max	
Transaction ID	Alphanumeric 40 Char Max	

Column Title	Explanation & Possible Entry	Comments
First Appointment Date	Date (**02/03/2009 06:08:04 AM**) NA Blank	DD/MM/YYYY HH:MM:SS AM/PM
Agreed Appointment Date	Date**(02/03/2009 06:08:04 AM**) NA Blank	DD/MM/YYYY HH:MM:SS AM/PM
Appointment Reason	StamdardProvision CHANGED NOTNEEDED ALLOCATED CHANGED_BT Delay CHANGED_Customer Delay CHANGED_N AMEND_REJECT NA Blank	Alphanumeric
Appointment Status	SUCCESS REJECTED CANCELLED NA Blank	Alphanumeric
Park Time	hh:mm:ss(16:48:54)	For 20 CN, It will be calculated as (Total Parked Time - Include Time) For 21 CN, it will be Total Park Time as there is no concept of Include Time. *When an open fault is parked (i.e. the clock is stopped) the "park time" shown in the reports will be an approximation from BT Wholesale internal systems. Once the*

Column Title	Explanation & Possible Entry	Comments
		fault is unparked then the "park time" is calculated accurately. When a fault is closed the "park time" shown in the reports will be accurate.
ONT Port ID	Various Entries	Alphanumeric
ONT Serial Number	Various Entries	Alphanumeric

MAX Product Report Columns

Below is a table of the column names for the MAX product reports, with possible entries and comments. These data items will be available on-line, via email or via CSV . Please note that not all these columns appear on every report.

In Possible Entries, what will actually be returned in the reports is shown in bold. If the word blank is shown, then the field will not be populated with anything.

The Following Data Items Will Be Provided for On-line and/or CSV Reports

Column Title	Possible Entries	Format	Explanation
Advanced Services Indicator	Y when End User is an Advanced Services User also.	Alphanumeric 1 Char Max	Indicates whether End User has Advanced Services as well as MAX products
BIP Update Time	Date and Time	DD/MM/YYYY HH24:MI:SS	The time when the Reporting record was last updated prior to dispatch
Upstream Line Rate	*Annex M* -	Alphanumeric 5 Char Max Without commas	Upstream Line Rate at which the service was running (in kbps) at the timestamp indicated.

Column Title	Possible Entries	Format	Explanation
Headline Rate-Downstream Line Rate		Alphanumeric 5 Char Max Without commas	For IPstream and WBC it will be a simplified speed (in kbps) to be known as the Headline Rate. This shows the maximum IP rate (at the timestamp indicated) the end user could achieve based on the BT BRAS setting on the service. This may differ from the Downstream Line Rate indicated on the end users CPE(i.e. modem or router). For Datastream this will be the actual Downstream Line Rate (in kbps) at which the end user synced up with the BT DSLAM (at the timestamp indicated). **Note** Due to the update frequency of the report on occasions this may not tally up with the current Downstream Line Rate indicated on the end users CPE (i.e. modem or router). Therefore it is important to refer to the Line Rate Timestamp of when the Downstream Line Rate was captured.
Line Rate Timestamp	Date and Time	DD/MM/YYYY HH:MM:SS	Time either the Upstream or Headline Rate-Downstream Line Rate was recorded (i.e. User log-in time or time of daily check)
Downstream Fault Threshold Rate		Alphanumeric 5 Char Max No commas	The lowest Headline Rate-Downstream Line Rate, the service is expected to work at. Below this rate a fault can be raised. In kbps.
Interleaved	**Opt In** **Opt Out** **Auto**	Alphanumeric 1 Char Max	Indicates whether interleaving has been specifically enabled, disabled or defaulted.
Max Stable Rate Re-set Status	**C** if the Stable Rate is being calculated for the first time, **Y** if the Stable Rate has been reset, **R** if the Stable Rate is being recalculated, or **N** if it has never been re-set.	Alphanumeric 1 Char Max	Indication if the Max Stable rate (speed) has been synchronised for the first time or has been re-synchronised following the clearance of a fault.

Column Title	Possible Entries	Format	Explanation
Downstream Maximum Stable Rate		Alphanumeric 5 Char Max No commas	Maximum Stable Headline Rate-Downstream Line Rate the service is expected to work at. In kbps.
Network Id	**CBUK** then 6 or 8 numbers	Alphanumeric 30 Char Max Upper and Lower case	The identifier of the network virtual circuit over which customers service runs.
Noise Margin Re-Set (Y/N)	**Y** if the Noise Margin re-set, else **N** **Not Valid for FTTC**	Alphanumeric 1 Char Max	Indicates whether the Noise Margin been re-set to a different value.
Product	**BT IPstream Max** **BT IPstream Max Premium** **BT Datastream Max** **BT Datastream Max Premium** **WBC End User Access (EUA)** for a WBC Service.	Alphanumeric 50 Char Max	The Product Name
Profile Change Time	Date and Time	DD/MM/YYYY HH:MM:SS	Date and time the Noise Margin/Run Mode was last changed
Run Mode	**Interleaved** **Fast** **Not Valid for FTTC**	Alphanumeric 11 Char Max	The Run Mode against the circuit - either Fast or Interleaved
Run Mode Changed (Y/N)	**Y** if the Run Mode changes, else **N**	Alphanumeric 1 Char Max	Indicates whether the Run Mode has been changed to a different value.
Service Id	**FT** or **FTIP** or **BBIP** or **BBVS** or **BBDS** and 9 numbers **BBEU** then 8 digit number for WBC Service.	Alphanumeric 30 Char Max Upper and Lower case	The unique identifier of the service. It never changes. It is set when the Line Item Substatus is assigned and capacity has been allocated on provide and conversion orders. Blank – in an early stage where this field has not yet been populated Note: This identifier remains constant on all order types. This is the identifier that should be used by SPs.
Capped Reason	'AUTO' or 'CHRONIC'	Alphanumeric	This will be set to either 'AUTO' or 'CHRONIC' depending on whether the line was capped

Column Title	Possible Entries	Format	Explanation
Sync Rate		Alphanumeric 5 Char Max	DSL speed allocated to the circuit.
Sync Timestamp	Date and Time	DD/MM/YYYY HH:MM:SS	For Datastream circuits-Date of the sync event For IPStream circuits-Date when the line rate is calculated by MAX.
BRAS Profile Name	adsl1234, adsl7150	Alphanumeric 38 Char Max	The Actual BRAS Profile Name. For a WBC Service, RAMBo will be sending the BRAS Profile when it is successfully applied at the RAP. Hence, a different value along with the existing values for 20 CN will be displayed in the Reports for a WBC Circuit.
Stability Option-Service Option	**'1'** or **'2'** or **'3'** **'Standard'** or **'Stable'** or **'Super Stable'** for a WBC Service. For WBC Services, the following Mapping is done: 1-Standard 2- Stable 3- Super Stable **Not Valid for FTTC**	Alphanumeric 1 Char Max	The Service Option-Stability Option selected by the End User for a particular Service.
Service Success Indicator	**'Y'** or **'N'**	Alphanumeric 1 Char Max	It identifies whether the DLM will be able to reach the required Service Option or not.
Service Option Update Timestamp	Date and Time **Not Valid for FTTC**	DD/MM/YYYY HH:MM:SS	Date and Time when the Service Option has been changed.

Column Title	Possible Entries	Format	Explanation
Service Option Status	**'Line stability change in progress.'** **'Exceeding limit for the required Service Option.'** **'Working within the limit for the required Service Option.'** **'Unable to reach the required Service Option.'** **'Override is in place and unable to achieve the required Service Option.'** **'Auto Capped Circuit and unable to achieve the required Service Option.'** **'Capped Circuit and unable to achieve the required Service Option.'**	Alphanumeric 100 Char Max	A message describing the Status of the Service Option.
Traffic Weighting	**'Standard'** or **'Elevated'**	Alpha Numeric 15 Char Max	Identifies if the Service Type is Standard/Home or Elevated/Office.
Technology Type	**'ADSL'** or **'ADSL2+'**	Alpha Numeric 15 Char Max	The Technology Type of the Service.
Max Downstream Line Speed Requested		Alpha Numeric 20 Char Max	A fixed String which identifies the Maximum Downstream Line Speed Requested by the User.
Max Upstream Line Speed Requested		Alpha Numeric 32 Char Max	A fixed String which identifies the Maximum Upstream Line Speed Requested by the User.

Column Title	Possible Entries	Format	Explanation
Downstream Min Line Rate	**Not Valid for FTTC**	Alpha Numeric 10 Char Max Without Commas	Minimum Downstream Line Rate.
Downstream Min Line Rate Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the change of Downstream Min Line Rate.
Downstream Max Line Rate	**Not Valid for FTTC**	Alpha Numeric 10 Char Max Without Commas	Maximum Downstream Line Rate.
Downstream Max Line Rate Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the change of Downstream Max Line Rate.
Downstream Target Margin	**Not Valid for FTTC**	Alpha Numeric 5 Char Max Without Commas	It is the Downstream Target Margin.
Downstream Target Margin Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the change of Downstream Target Margin.
Downstream Interleave Mode	**'Fast'** or **'Interleaved'** **Not Valid for FTTC**	Alpha Numeric 15 Char Max Without Commas	Downstream Interleave Mode. 'Fast'-when the Interleave level is zero. 'Interleaved' – when the Interleave level is non zero.
Downstream Interleave Mode Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the Change for Downstream Interleave Mode.
Downstream Min INP	**Not Valid for FTTC**	Alpha Numeric 5 Char Max Without Commas	It is the Downstream Min INP.
Downstream Min INP Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the Change of Downstream Min INP.
Downstream Max Delay	**Not Valid for FTTC**	Alpha Numeric 20 Char Max Without Commas	It is the Downstream Max Delay.
Downstream Max Delay Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the Change of Downstream Max Delay.

Column Title	Possible Entries	Format	Explanation
Upstream Min Line Rate	**Not Valid for FTTC**	Alpha Numeric 10 Char Max Without Commas	It is the Minimum Upstream Line Rate.
Upstream Min Line Rate Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the Change of Upstream Min Line Rate.
Upstream Max Line Rate	**Not Valid for FTTC**	Alpha Numeric 10 Char Max Without Commas	It is the Maximum Upstream Line Rate.
Upstream Max Line Rate Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the Change of Upstream Max Line Rate.
Upstream Target Margin	**Not Valid for FTTC**	Alpha Numeric 5 Char Max Without Commas	It is the Upstream Target Margin.
Upstream Target Margin Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the Change of Upstream Target Margin.
Upstream Interleave Mode	**'Fast'** or **'Interleaved'** **Not Valid for FTTC**	Alpha Numeric 5 Char Max Without Commas	This will have valid value for 21 CN ADSL 2+ Profiles. For 21 CN ADSL Profile, it will have a default value as "Fast".
Upstream Interleave Mode Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the Change for Upstream Interleave Mode. This will have valid value for 21 CN ADSL2+ Profiles. For 21 CN ADSL Profile, it will have a default value as "N".
Upstream Min INP	**Not Valid for FTTC**	Alpha Numeric 5 Char Max	It is the Upstream Min INP.
Upstream Min INP Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the Change of Upstream Min INP.
Upstream Max Delay	**Not Valid for FTTC**	Alpha Numeric 20 Char Max	It is the Upstream Max Delay.
Upstream Max Delay Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the Change for Upstream Max Delay.

Column Title	Possible Entries	Format	Explanation
Access Technology	**Not Valid for FTTC**	Alpha Numeric 20 Char Max	The Technology Identifier.
Access Technology Change	**'Y'** or **'N'** **Not Valid for FTTC**	Alpha Numeric 1 Char Max	Identifies the Change of Access Technology.
Upstream Fault Threshold Rate	*Annex M -*	*Alphanumeric*	*MSR/FTR will relate to Annex M and if Annex M is not part of the ADSL2+ service the output will be '-'.*
Upstream Maximum Stable Rate	*Annex M -*	*Alphanumeric*	*MSR/FTR will relate to Annex M and if Annex M is not part of the ADSL2+ service the output will be '-'.*

Only the Following Data Items Will Be Provided for Email Reports

Column Title	Possible Entries	Format	Explanation
BIP Update Time	Date and Time	DD/MM/YYYY HH24:MI:SS	The time when the Reporting record was last updated prior to dispatch
Downstream Line Rate		Alphanumeric 5 Char Max	Downstream Line Rate at which the service was running at the timestamp indicated on each report.
Network Id	**CBUK** then 6 or 8 numbers	Alphanumeric 30 Char Max Upper and Lower case	The identifier of the network virtual circuit over which customers service is delivered.
Noise Margin Re-Set (Y/N)	**Y** if the Noise Margin re-set, else **N**	*Alphanumeric* 1 Char Max	Indicated whether the Noise Margin has been re-set to a different value.
Product Name	**BT IPstream Max** **BT IPstream Max Premium** **BT Datastream Max** **BT Datastream Max Premium** **WBC End User Access (EUA)** for a WBC Service.	Alphanumeric 100 Char Max	The Product Name
Run Mode	**Interleaved** **Fast**	Alphanumeric 11 Char Max	The Run Mode against the circuit - either Fast or Interleaved

Column Title	Possible Entries	Format	Explanation
Service Id	**FT** or **FTIP** or **BBIP** or **BBVS** or **BBDS** and 9 numbers **BBEU** then 8 digit number for WBC Service.	Alphanumeric 30 Char Max Upper and Lower case	The unique identifier of the service. It never changes. It is set when the Line Item Substatus is assigned and capacity has been allocated on provide and conversion orders. Blank – in an early stage where this field has not yet been populated Note: This identifier remains constant on all order types. This is the identifier that should be used by SPs.

Advanced Services Reports Columns

Column Title	Possible Entries	Format	Explanation
Sequence Number		Numeric	The unique file sequence number generated from record data source.
Transaction Id		Alphanumeric 40 Char Max	The Transaction Id uniquely identifies the transaction for auditing and error logging purposes.

Column Title	Possible Entries	Format	Explanation
Request Type	**applyDefaultADQFeature** **applyADQFeature** **alterADQFeature** **releaseADQFeature** **GroupedAbnormalNetworkSessionTermination** **AbnormalNetworkSessionTermination** **networkSessionTermination** **ADQFeatureReleased** **getAccessLineStatus** **getUsageHistory**	Alphanumeric 127 Char Max	The Request Type will indicate the type of transaction to be charged for. The first possible entry indicates a Service Speed Request transaction. The second and third possible entries indicate either a Temporary Change of Speed transaction or a QoS Session transaction. The next 5 possible entries indicate the end of a Temporary Change of Speed or QoS Session. The other Request_Types are not billable so transactions of those types should be ignored.
Product Service Id		Numeric 40 digits Max	The Service Id is used to uniquely identify the end user that performed the transaction.
Network Id		N umeric 20 digits Max	CBUK number.
Service Provider Id		Alphanumeric 40 Chars Max	The Service Provider Id is used to identify the Service Provider. It will be set to the Service Provider's O/M number or the Service Provider's CUG ID.
VP PSID		Alphanumeric 16 Chars Max	The service id for the related VP product.
Action Date		Date/Time	The Date/Time of the transaction.
Success Code		Alphanumeric 10 Chars Max	True if the request was successfully serviced – False if not..
Reason Code		Alphanumeric 5 Chars Max	Must be completed if Sucess_Code is set to False.
Reason Desc		Alphanumeric 100 Chars Max	A description of the reason code..
Session Identifier		Alphanumeric 255 Chars Max	Used to link the various QoS Session transactions together..

Column Title	Possible Entries	Format	Explanation
Policy Requested	The format has been changed now from “Throttle To_”+[0-9]{2-4}+”k”; to “Throttle To_”+[0-9]{2-5}+”k” i.e. “Throttle To_nnnnnk”	Alphanumeric 20 Chars Max	The Policy or bandwidth requested by the end user. This field should also indicate whether each transaction is a Temporary Change of Speed transaction or a QoS Session transaction.
Policy Applied		Alphanumeric 127 Chars Max	The Policy that ADQ applied to the BRAS. Not needed for billing so ignored by FusionWorks.
Policy Removed		Alphanumeric 127 Chars Max	
Start Time Requested		Alphanumeric 19 Chars Max	Time at which QoS session should be started. To support pre-booking, otherwise will be the same as Start Time Actual This is in the format YYYY/MM/DD-HH-MM-SS.
End Time Anticipated		Alphanumeric 19 Chars Max	Time at which the end user expects their QoS Session to end. This is in the format YYYY/MM/DD-HH-MM-SS. Populated on all termination transactions.
Start Time Actual		Alphanumeric 19 Chars Max	Time at which the session actually started. This is in the format YYYY/MM/DD-HH-MM-SS. Populated on all termination transactions.
End Time Actual		Alphanumeric 19 Chars Max	Time at which the session actually ended. This is in the format YYYY/MM/DD-HH-MM-SS. Populated on all termination transactions.
Exception Code	"S_WBC-Session" (It will contain both Success Code = "False" and "True")	Alphanumeric 3 Chars Max	The Exception Code is a unique number defining a particular error.
Exception Desc		Alphanumeric 8 Chars Max	A description of the exception which has occurred.
Exchange Name	Exchange Name Blank	Alphanumeric 150 Char Max	Denotes the telephone exchange of the installation on which service is to be provided. Exchange names may not be unique, and may not give an obvious indication of location.
Date Of Error		Alphanumeric 50 Chars Max	The Date/Time the error was raised.

Column Title	Possible Entries	Format	Explanation
Update Timestamp		Date/Time	Set to timestamp of load/update on BT reporting application. Format **dd/mm/yyyy hh:mm:ss**
Product Name	**EUSC** **QoS Downstream** **UNKNOWN**	Alphanumeric 30 Chars Max	This will be mapped to 'EUSC' or 'QoS DownStream' for Broadband products, and to 'UNKNOWN' if the product cannot be identified from the Product reference list
Hour0	00:00:00 to 00:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour1	01:00:00 to 01:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour2	02:00:00 to 02:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour3	03:00:00 to 03:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour4	04:00:00 to 04:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour5	05:00:00 to 05:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour6	06:00:00 to 06:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour7	07:00:00 to 07:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour8	08:00:00 to 08:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour9	09:00:00 to 09:59:59 inclusive	Numeric	Count in Mbytes per second of actual allocation of

Column Title	Possible Entries	Format	Explanation
		15 Chars Max	bandwidth to the SP for the period Format (HH:MM:SS)
Hour10	10:00:00 to 10:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour11	11:00:00 to 11:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour12	12:00:00 to 12:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour13	13:00:00 to 13:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour14	14:00:00 to 14:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour15	15:00:00 to 15:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour16	16:00:00 to 16:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour17	17:00:00 to 17:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour18	18:00:00 to 18:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour19	19:00:00 to 19:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour20	20:00:00 to 20:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period

Column Title	Possible Entries	Format	Explanation
			Format (HH:MM:SS)
Hour21	21:00:00 to 21:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour22	22:00:00 to 22:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Hour23	23:00:00 to 23:59:59 inclusive	Numeric 15 Chars Max	Count in Mbytes per second of actual allocation of bandwidth to the SP for the period Format (HH:MM:SS)
Service ID	BBEUnnnnnnnn (in addition to present IPStream formats - BBIPnnnnnnnn or FTIPnnnnnnn)	Alphanumeric 20 Chars Max	Service Identifier
Network ID		Alphanumeric 20 Chars Max	Circuit Identifier
Scheduled Completion Date	Date and Time	DD/MM/YYYY HH24:MI:SS	The scheduled completion date of the circuit migration.
Actual Completion Date	Date and Time	DD/MM/YYYY HH24:MI:SS	Actual completion date of the circuit migration.
Customer Reference Number		Alphanumeric 50 Chars Max	Customer Reference Number
Status	Scheduled; Successful; Pending; Cancelled	Alphanumeric 50 Chars Max	
Notes		Alphanumeric 400 Chars Max	Any description supporting the Status of the Move
Installation DN		Alphanumeric 15 Chars Max	Installation DN
SP-requested Policy		Alphanumeric 20 Chars Max	Subscription Policy requested by the SP.
Date Time	Date and Time	DD/MM/YYYY	The time at which the record was last updated in BIP

Column Title	Possible Entries	Format	Explanation
Record Last Updated In BIP		HH24:MI:SS	
AS Enabled Users	Total Number Of AS Enabled Users; Users With “Throttle To” Policy; Users With “Unthrottled” Policy; Users With Unrecognised Policy	Alphanumeric	AS Enabled Users under the Particular Service Provider
Count		Numeric	Count of Users with the Particular Subscription Policy
Percentage		Numeric	Percentage of Users with the Particular Subscription Policy
Policy Last Updated DateTime	Date and Time	DD/MM/YYYY HH24:MI:SS	The Date and Time when Policy was last updated
Policy Last Updated Through	DEFAULT-OSS ADQ	Alphanumeric 12 Chars Max	Denotes whether the last update on Policy was through OSS or through ADQ

ECo Helpdesk – 0800 7835639 – Broadband

Actuate XML Release 2 Access Request Form

User Details	
User Surname	
User First Name	
User E mail Address	
Company	

Access Requirements	
Orders XML	
Faults XML	
MSO XML	
Service Activity Notice XML	

Completed forms to be returned to your Account Manager